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CHRYSANTHEMUMS



1918

ROSES
CARNATIONS
HARDY PERENNIALS

CHARLES H. TOTTY COMPANY
MADISON, N.J.

INTRODUCTION

CUSTOMERS will note in this our Fifteenth Annual catalogue, the change in the name of this concern from Charles H. Totty, as an individual to the Charles H. Totty Company. Outside of the name there is no change in either the personnel, management or policy of the business. Mr. Totty, as heretofore, will devote all his time to the management of the business. The change is made simply to insure the perpetuity of the business built up by Mr. Totty and allow for rapid expansion in the best possible manner. We believe also in this time of war our international business of importing and exporting will be much better handled as a Corporation than as an individual.

CHRYSANTHEMUMS for 1918. The records of the principal Shows, New York, Cleveland and Madison, indicate that Totty's 'Mums are still far in advance of all other introducers.

The exceptional showing of our Novelties for 1917, Nagirroc; Louisa Pockett, W. H. Waite, Pres. Everitt, etc., etc., are particular examples of our superiority in the large-flowering types.

We will disseminate in the Exhibition type in 1918: "Joan of Arc," named by President Wilson at the Cleveland Show; Mrs. H. S. Firestone and Mrs. W. Dennis among others.

SINGLES will be represented by our usual high-class list including Portia, Ida Catherine Skiff, and Beatrice as notable additions.

IMPROVED POMPON TYPES will have a splendid acquisition in the variety "Connie Dick," the yellow companion for Doty.

SENSATIONAL SET. Every year we endeavor to give our customers something new and novel in the Chrysanthemum. This year it is a set of six varieties we imported from Tokio, Japan, three years ago but it was not until this year we had sufficient stock of any variety to distribute. These are even more attractive than the Tuxedo Collection we introduced last year.

FORCING ROSES. We are specially favored in being able to catalogue this year Ophelia Supreme, the very finest of all the numerous sports of Ophelia and destined to take the place of its parent, as well as Columbia, Hill's new wonderful pink Rose, mildew and spot proof.

GARDEN ROSES. Hugh Dickson's Novelties for 1918 will be: Marchioness of Ormond, T. F. Crozier, H. P. Pinkerton, Blushing Bride and Ulster Volunteer (refer to pages 59 and 60 for varieties.) These with the addition of National Emblem, are worthy of a place in every garden in the country.

VISITORS WELCOME. Thousands of customers stop to see our establishment every year, especially the 'Mum display in the Fall; and we extend an invitation to all to come and see us at any time. Madison is located on the D. L. & W. Railroad, about one hour's ride from New York, and our greenhouses are about one mile from the Madison railroad station.

We will do all in our power to make your visit as pleasant as possible.

CHARLES H. TOTTY COMPANY

MINING

Box 2 Collection of 12 Varieties of Roses

G. H. Harrison
Chief of Department

13. 10. 18

TRANSPORTATION

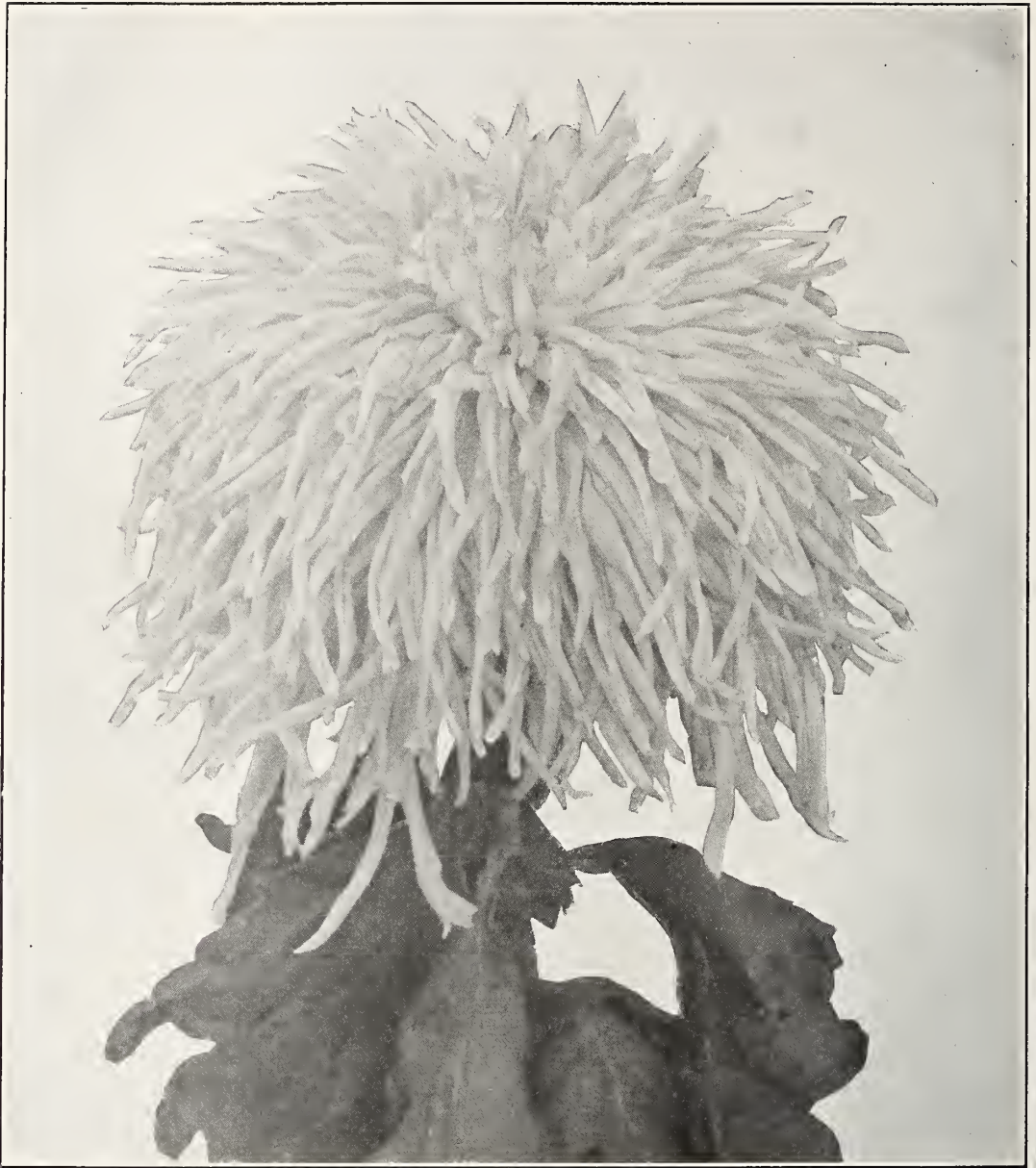




JOAN OF ARC

Named by President Wilson at the Cleveland Show. Very much like the old Pres. Carnot in type. Stem is absolutely stiff and easily able to carry the flower erect; foliage continues right up to the flower. Blooms are enormous in size and another year it will occupy a prominent place in the list of reflexed white 'Mums. Height 5 feet. Crown bud, August 15th and later.

Price: \$2.00 per plant, \$20.00 per doz.



MRS. W. DENNIS

A very distinct pink variety; petals of which twist back as the flower ages; stem, foliage and flower, are all A1. We consider this variety par-excellence as an exhibition pink. Color much deeper than Mrs. J. Gibson and more evenly distributed over the petals. In size it is the largest pink to date. Height 4 to 5 feet. Buds August 20th onward, give the best result.

Price: \$2.00 per plant, \$20.00 per doz.



MRS. J. WILLIS BUHL

Crimson of the very largest size and a welcome addition to this color, which is very much like Pockett's Crimson, but the plant is considerably taller in growth running 5 to 6 feet. Bud about August 25th gives best result as to color, size and finish of flower.

Price: \$2.00 per plant, \$20.00 per doz.



MRS. FRANK H. TRAENDLY

Somewhat resembles Joan Stratton, changing to a deeper, more even shade of pink and has a very much larger flower. Foliage is somewhat sparse but this is amply made up for by the magnificent flower. Height $5\frac{1}{2}$ feet. Bud August 20th to 30th.

Price: \$2.00 per plant, \$20.00 per doz.



REFLEXED LOUISA POCKETT

Duplicate of Louisa Pockett in every way except that the petals reflex instead of incurve, but in all other respects it is identical; having large foliage, strong stem and enormous flower. Height 5 feet. Buds taken late August or early September give best results.

Price: \$2.00 per plant, \$20.00 per doz.



Bronze Unaka (Fengar)

BRONZE UNAKA (Fengar)

A bronze sport of the popular Unaka and to the commercial men will be a very valuable acquisition, since there are no other bronze varieties coming in so early in the season, the first week in October. Color very attractive bronze which sells at sight; and any commercial grower who can grow Unaka should also grow this bronze companion—which is a duplicate in growth; foliage, and everything else except color.

Price: 30c., per plant, \$3.00 per doz., \$20.00 per 100

YELLOW ADVANCE (Rowe)

Yellow sport of the well-known Smith's Advance coming in as it does the latter part of September and is exactly identical with Smith's Advance except that it is bright yellow in color. Yellow Advance is well worthy of a place in the early section which during the past year produced more adequate returns than the later sorts. We have a large stock of this variety so are enabled to quote same at a reasonable price.

Price: 30c., per plant, \$3.00 per doz., \$20.00 per 100



NAGIRROC (Golden Champion)

Introductions of 1917

NAGIRROC (Golden Champion)

Finest exhibition bronze we have ever distributed; color, deepest glowing orange-bronze, 45 inches in circumference; every petal reflexing showing the color to the best advantage. This is the variety exhibited at the shows under the provisional name of Golden Champion. Every bud makes a splendid flower. Stem and foliage perfect, height 5 feet. Any bud after August 15th. Certificated C. S. A.

Price: 50c. per plant, \$5.00 per doz., \$35.00 per 100.



OCTOBER KING

LOUISA POCKETT

Color purest possible white. Mr. Pockett calls this his "greatest achievement," and has named it after his wife. He says it will, when generally distributed, displace the popular Wm. Turner, which has been the "King" of the exhibition tables for the past four years. Flower, stem and foliage are alike enormous. Plants need plenty of room to develop. Culturally speaking, when handled precisely the same as Wm. Turner, bud taken the same time, late August or early September, it will give splendid results. Certificated C. S. A. Height, 5 feet.

OCTOBER KING

Deep golden yellow, petals most beautifully whorled as in the case of a well-grown flower of Wm. Rigby, and while the flower is not as large as that variety, it is fully ready to cut the first week in October, which is weeks before any other yellow approaching it in size is ready for the market. The blooms brought a phenomenal price in the markets this year. Certificated C. S. A., 1915, but enough stock was not available at that time to distribute it properly. No yellow can touch it for the early shows. Any bud after August 1st; height 3½ feet. Price: \$1.00 per plant, \$9.00 per doz.

PRESIDENT JOHN EVERITT

Color, very unique chamois-buff; when first opening, the petals are very closely incurved, forming a perfect ball, 27 inches in circumference. As the flower develops, the center petals open outward and show considerable of the bronzy-crimson reverse. Very dwarf, robust grower, and one of the largest flowers in the collection. This variety, with its enormous size and splendid habit will make its own place among the best "three exhibition bronze." Bud August 15th onward. Height, 3½ feet.

Price: 50c. per plant, \$5.00 per doz., \$35.00 per 100, except where noted



WILLIAM H. WAITE

WILLIAM H. WAITE

Color, deep warm bronze so brilliant as to seem almost shading to scarlet, in some of the flowers, when compared with some standard variety such as Mary Mason, the superiority of its wonderful color is at once apparent. The standard is gradually climbing, but this variety shows a wonderful advance over previous introductions. Foliage right up to the flower and stem absolutely perfect. Bud early in August will develop, but bud taken around August 25th will show a more brilliant color. Height, 4 to 5 feet. Certified C. S. A.

BOL D'OR

Color, clear maize yellow; magnificent flower of the very largest size, forming a perfect hemisphere. This flower will be very popular for use either in a collection or as individual blooms. Height 5 feet. Crown bud after August 10th.

OCTOBER HERALD

Orange-yellow, similar in color to Old Gold or Modello; reflexing form, with somewhat twisted petals.

Price: 50c. per plant, \$5.00 per doz., \$35.00 per 100



ALICE DAY

Introductions of 1916

Price: 20c. per plant, \$2.00 per doz., \$15.00 per 100, unless otherwise noted

ALICE DAY

An ideal commercial variety flowering Oct. 10 to 20. Certificated in New York and Philadelphia on the commercial scale, scoring 87 and 89, respectively; color purest possible white, with no poor buds; medium sized foliage, which permits of rather close planting. One of the most perfectly formed varieties ever introduced.

ALEX. GUTTMAN

Largest commercial pink ever introduced; can be cut from September 15th onward; blooms up to midseason size and finish. Poor propagator but the very finest early pink in existence.

E. M. BENSON

Bright yellow in color, dwarf in habit, with splendid stem and foliage; ready to cut Oct. 10th, coming in before Chrysolora and is a splendid variety in every way.

**MISS ELVIA SCOVILLE**

(WHITE SPORT OF WELLS' LATE PINK)

The year 1915 was prolific in sports, and this variety, which is a sport of Wells' Late Pink, must be classed as one of the best. The parent is so well known that no further description is necessary, as it resembles Wells' Late Pink in every way except color, which is of the clearest white.

MORRIS KINNEY

Beautiful and refined incurving white, on the lines of Wm. Turner, but a week to ten days earlier; stem and foliage ideal, and we feel sure it will find a place in every exhibition and also the commercial ranks. Height 5 feet. Crown bud, August 20th.

MRS. G. G. MASON

Very distinct variety; color blood red, with a gold reverse, though very, very little of the gold reverse appears. Its marvelous color will make it eagerly sought for in making collections. Height five feet. Crown bud August 20th. We were not able to fill all orders last year, but are now in position to supply satisfactory stock.

MRS. J. GIBSON

A phenomenal variety. Enormous alike in stem, foliage and flower; color light pink, shading to deeper pink lines on ends of petals. We exhibited this variety 10½ inches deep and 10 inches across. Certificated, C. S. A. and scored 89 points. Height 4½ feet. Bud as soon as possible after August 1st.

OCTOBER QUEEN

Beautiful flower of purest possible white; very large size; strong stem and fine foliage.

WM. RIGBY

(THE YELLOW SPORT OF MRS. GILBERT DRABBLE)

This was the largest variety exhibited at the shows in 1915; color beautiful bright canary yellow. Lower petals of this variety are 1½ inches in width. While we have considerable stock on hand of this variety, it roots very poorly and orders will be filled in strict rotation, so would advise ordering early. Exact duplicate of Mrs. Gilbert Drabble, except in color. First prize for largest bloom at the Cleveland Flower Show. Price: 50c. per plant, \$5.00 per doz., \$35.00 per 100.

YELLOW WM. TURNER

A light yellow sport from Wm. Turner; identical with its splendid parent in every respect, except in color; will be one of the most widely grown yellows for this season.

Standard Varieties Exhibition Chrysanthemums

Price: 15c. per plant, \$1.50 per doz., \$10.00 per 100.

The following list are all splendidly adapted for exhibition and a few of them are useful for commercial purposes also, but they are placed in this section because they are more generally shown on the exhibition table.

A. S. BALDWIN. A commercial yellow of the highest grade; this is another absolutely reliable kind that will give all perfect flowers. Holds its foliage splendidly and carries same right up to the flower. Baldwin is sure to rank as a staple yellow when generally introduced. Bud August 20th.

ANTIGONE. This is a wonderful flower of purest white, which has been certificated by the Chrysanthemum Society in New York, Boston and Philadelphia. It is an absolutely reliable variety, every flower coming good, and we cannot too strongly recommend it as a commercial bloom to come in from October 1st to November 1st, depending on when the bud is taken. Dwarf, sturdy growth, 3 feet high; any bud.

ADELE GRISWOLD. An enormous flower of bright pink, which carries the foliage well up the stem, and will rank as one of the largest varieties ever distributed. Height 5 feet. Bud August 20th.

BOB PULLING. In this variety we have a wonderful 'Mum. Color pure yellow; flower is extremely large and comes right down to the foliage; the individual petals are an inch and a half in width and some ten inches deep. Has proven itself to be the finest thing in yellow we have ever imported. Bud August 1st.

BEATRICE MAY. Superb white; queen of the exhibition table for years.

CRYSTAL GEM. Clear white; strong grower, very easily managed, with a high percentage of perfect blooms.

C. H. TOTTY. A glowing chestnut scarlet; flower, stem and foliage are alike enormous. One of the best all-around Chrysanthemums we have ever introduced to the American trade.

CALUMET. One of the very finest exhibition bronzes; large bloom, perfect in form and one of the easiest doers.

EARL KITCHENER. Amaranth, with a silvery reverse. An enormous flower in a color not too plentiful in exhibition 'Mums at the present time. Stem, foliage and flower are alike tremendous. There will never be any question about weak neck or poor foliage with this variety. Bud August 20th.

ELBERON. Large Japanese incurved, similar to Louiseau Rousseau in type and color; strong grower; stiff stem, with foliage well up to bloom.

F. E. NASH. An enormous reflexing pink, one of the strongest and best growers ever sent out.

F. T. QUITTENTON. Deep crimson; reflexing; one of the best of the crimson exhibition varieties.

F. S. VALLIS. Largest yellow in cultivation and indispensable for use in short vase classes.

FRANCIS JOLLIFFE. Always a winning yellow.

GLENVIEW. A magnificent globe of dark red; dwarf grower with stiff stem.

HARRY E. CONVERSE. A chestnut crimson, with a bronze reverse. By the time the flower is finished it makes a perfect ball of fine bronze. This variety has proved itself much the largest thing in its color and is a splendid exhibition bloom in every way.

HARVARD. Japanese reflexed, very dark crimson; in perfection November 15th and later.

HIS MAJESTY. A splendid crimson, very heavy grower; stiff stem and perfect foliage.

JOAN STRATTON. Beautiful shade of pearl pink; very large, reflexed florets, broad and of excellent substance.

JAMES FRASER. Aptly termed "The Improved F. S. Vallis." Color is a deep canary yellow; flower is as large as the old F. S. Vallis at its best, and stem is absolutely rigid with foliage right up to the flower. We recommend this variety as being the largest and best in its type at the present time. Crown bud August 1st onward.

LADY HOPETOUN. Generally captures the prize for largest flower in the show. It is slightly weak in the neck, otherwise would be the finest of all pinks.

MARY MASON. Gigantic, bronzy red; one of the handsomest varieties and easiest doers in cultivation.

MISS LELIA M. BENNET. Crimson; very large, distinct variety, stiff stem and beautiful foliage

MRS. T. STEVENSON. Deep yellow, with bronzy red shadings. Splendid grower and perfect in habit.

MASTER REX. Amber, tinted with gold; grows rather tall, but is a magnificent variety in its color.

MRS. J. PURROY MITCHEL. The color is of the purest snow; the same as the old Mrs. Weeks. The flower is enormous in size and reflexing in character.

MRS. L. J. REUTER. A beautiful, high-class bloom of purest white; petals reflex and twist, making a handsome, artistic flower; habit of growth all that can be desired, and foliage A1.

MRS. R. C. PULLING. Clear yellow; an English variety, tremendous in size, which has made a wonderful showing in some of the exhibitions. Height 5½ feet. Crown bud August 10th and later.

MRS. H. J. JONES. Often called the "Green 'Mum" as it is the nearest approach to green of any variety sent out; very large flower; good foliage and stiff stem.

MRS. A. S. WATT. A sport of Wm. Turner, identical in every respect, stem, foliage and color, the only difference being that the petals reflex instead of incurving as in the case of Turner. Has the same wonderful keeping habit and freedom of growth, and should, on its parent's record, become wonderfully popular. Bud August 25th or later.

STANDARD VARIETIES EXHIBITION CHRYSANTHEMUMS—Continued

MRS. M. H. STEVENS. Orange bronze; rather long neck; but flowers are simply enormous; particularly valuable in classes of twenty-four.

MODELLO. Very striking in form and color, which is golden amber; looks exactly like a huge Decorative Dahlia.

MRS. GILBERT DRABBLE. On an early crown bud from August 10th, this variety produces a marvelous flower; petals are arranged in a whorl, rendering them most attractive. 20c. per plant, \$2.00 per doz.

MRS. J. C. NEILL. This variety is much like Cheltoni in form and color. It is a shade paler, but makes a larger flower and can always be recommended to grow for exhibition.

MRS. ERNEST WILD. Chestnut crimson, with a bronze reverse. One of the most reliable varieties we have ever disseminated. Does not damp a petal and seems to come equally well on any bud, early or late. Height 5 feet. Foliage droops on stem, which permits of close planting of this variety.

MRS. PAUL MOORE. Certificated on both commercial and exhibition scales. Color magnificent light yellow; stem perfectly stiff and foliage right up to the flower. An absolutely reliable sort to handle. Any bud. Height 3 feet.

MRS. G. LLOYD WIGG. Light yellow. One of the best varieties Mr. Pockett has ever sent out. Foliage right up to the flower and conforming in every respect to the ideal exhibition flower. Any bud after August 10th. Height 5 feet.

MEUDON. An immense flower of bright pink; same shade as Morton F. Plant. Habit of plant absolutely ideal. One of the strongest growers we have ever sent out. Dwarf grower, with beautiful foliage right up to the flower. Bud August 20th.

NERISSA. Bright, rosy mauve. Fine form and stiff, upright growth, with rigid stem.

ODESSA. Bright yellow; incurving form. A seedling from Merza, but much cleaner in growth.

O. H. BROOMHEAD. Deep rose-pink; very dwarf and sturdy. An excellent variety.

POCKETT'S CRIMSON. The greatest thing in its color ever sent out. Crimson with a gold reverse. Makes a flower 9 inches across; splendid grower, with foliage right up to the flower.

QUEEN MARY. When taken on a bud in July produces an enormous flower; too early for any but the earliest exhibitions. Pure white in color.

ROSE POCKETT. Old, gold, shaded bronze. Purely an exhibition variety, but one of the finest kind sent out.

WM. DUCKHAM. For years, one of the best incurving, exhibition pinks.

WILLIAM VERT. Crimson, with every petal reflexing. Very easy variety to grow and one that will be popular with all the growers. Reverse of petal is bright gold, but practically every petal reflexes so the golden color is not seen.

WM. TRAFFORD. Amber, shaded salmon. Foliage very deeply cut and one of the most distinct varieties.

Standard Varieties Commercial Chrysanthemums

Price: 10c. per plant, \$1.00 per doz., \$6.00 per 100.

AUTOCRAT. Color snow white; growth dwarf and robust. We offer this variety as a late white, believing it will take its place with growers who are unable to handle Jeanne Nonin, as it can be gotten for Thanksgiving or Christmas, if desired; every bud forms a perfect flower. Certificated C. S. A., Cleveland, November 10th.



AUTOCRAT

ALICE SALOMON. Very fine incurving white; a splendid commercial variety.

ANTIQUÉ. A deep bronze sport of the favorite Dr. Enguehard. It is a duplicate of Enguehard in all respects save color. We recommend this variety to commercial growers where bronze varieties are popular. Treat similar to the parent in every way.

BLUSH PATTY. Blush white sport of the splendid pink commercial variety, Patty, the most popular variety ever grown. Color blush pink which ultimately fades pure white. Many growers who have found Patty a profitable variety will find this sport equally valuable in its color.

CHIEFTAIN. A beautiful, incurving pink of perfect shape. Certificated in Boston, Philadelphia and Chicago. Perhaps the finest incurved pink commercial variety in cultivation today.

COLONEL APPLETON. At one time the most largely grown yellow in cultivation. It is too well known to need description.

CHRYSOLORA. This new variety can be briefly described as an early Col. D. Appleton, coming in 15 days earlier; is of larger size, stronger stem, not quite as tall, and in color is intermediate between this variety and Major Bonaffon. Best buds are those selected August 1st to 15th.

DR. ENGUEHARD. Very largely grown as a late commercial pink.

EARLY FROST. Most popular early white, coming into flower September 15th onward.



CHIEFTAIN (See page 15)

GOLDEN QUEEN. Fine, incurved yellow; form very double from any bud; a suggested improvement on Golden Glow.

GOLDEN GLOW. Bright yellow. Can be had in flower almost all the year.

MAUD DEAN. Late pink; a good coming variety.

MAJOR BONNAFFON. Yellow; very largely grown. Is a commercial variety.

MRS. O. H. KAHN. A first-class bronze; comes good on almost any bud, but produces the best color from a bud taken August 20th or later. One of the finest varieties in the bronze section.

MARIGOLD A monster yellow; flower unsurpassed both in size and color in its season; our first flowers of this variety were cut October 5th, this year. Must be secured on an early bud.

MRS. M. R. MORGAN. Very fine yellow; seedling of Timothy Eaton; splendidly shown last year.

OCONTO. White; fine large blooms on very strong stems; largely grown for its period, which is early midseason.

OCTOBER FROST. Early October; the largest commercial white of its date.

PATTY. Very delicate, pleasing shade of pink. Good commercial variety and should be very popular. November 10th to 20th.

PACIFIC SUPREME. Bright pink, coming in flower about ten days after Glory of the Pacific.

RAMAPO. American seedling of Col. Appleton, which will take the place of that variety. It has all the good points of Appleton, the same color, splendid stem, foliage right up to the flower, and never shows a top-knot, as does Appleton.

SMITH'S ADVANCE. One of the earliest, large-flowering white varieties; can be had by September 15th.

SMITH'S SENSATION. Delicate shade of light pink; beautifully incurving in form.

TIMOTHY EATON. One of the best-known whites in cultivation and grown in tremendous quantities by the commercial growers.

TEKONSHA. Incurving bronzy yellow coming in for Thanksgiving. Strong upright growth and very distinct habit.

UNAKA. The long sought early October pink Chrysanthemum. A broad petaled Japanese incurved of great depth and size for so early a variety.

WILLIAM TURNER. The best variety we have ever introduced; it has created a sensation when exhibited at the shows. Makes a perfect ball of the purest possible white. One of the best commercial kind also.

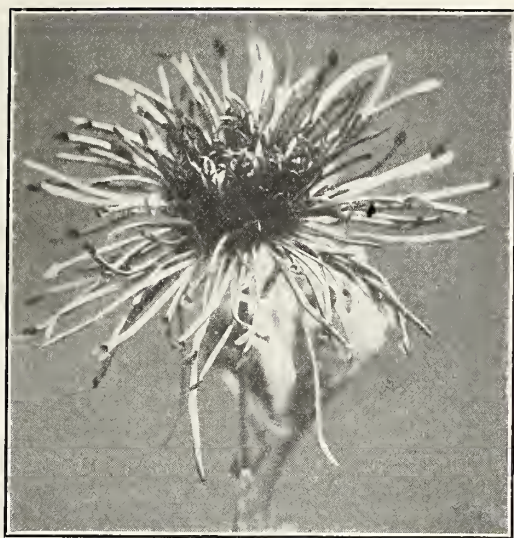
WELLS' LATE PINK. One of the finest things sent out in its color in many years, flowering from November 10th onward. Crown bud after August 25th.

WHITE CHIEFTAIN. Pure white sport of the variety Chieftain; duplicate of the parent in all respects save color, which is a pure white. One of the most valuable commercial varieties in cultivation at the present time.

YELLOW CHAS. RAGER. A yellow sport of the always-popular Chas. Rager.

YELLOW MILLER. A yellow sport of the bronze Mrs. J. A. Miller. One of the largest flowers we have and a variety which any commercial grower can make good money with. It is also a splendid thing on the exhibition table.

YELLOW OCTOBER FROST. A yellow sport of the well-known October Frost. Comes a much better color than yellow sports generally do. This will be particularly valuable to the commercial grower who wants a yellow companion for his October Frost.



BENTEN



AMATERASU

The Sensational Set from Tokio

Extracts from "Mythological Japan"

"If it is to be an honor to merit the favor of Royalty, then the noble Chrysanthemum is indeed satiated with honor—for is it not the Emperor's flower, preferred above all others? Symbolizing a gentle disposition, happiness, virtue and repose and associated with longevity because of the extraordinary life of its bloom, it is naturally held in high esteem by all classes, particularly as the sixteen petalled variety forms the imperial crest of Japan."

Some years ago we imported from Japan a large collection of novel types, most of which died en route, but we offer the following half dozen as being entirely new in character. People passing through our greenhouses this fall could hardly believe they were actual flowers so different are they from the ordinary Chrysanthemum.

**Price: 50c. per plant, \$5.00 per doz.,
\$35.00 per 100**

"BENTEN"

(Goddess of Beauty)

Quilled petals standing straight out from the center; color green gold at center with blood red tips; no Chrysanthemum introduced to date has the peculiar shadings found in "Benten."

"AMATERASU"

(The Sun Goddess)

Heavy-quilled petals which follow no set design but twist and curl like a very informal cactus Dahlia. Color is yellow as the name implies.



BISHAMON (See page 18)



FUGI



TACHIBANA

THE SENSATIONAL SET FROM TOKIO—Continued

“BISHAMON”

(God of Glory)

Almost impossible to photograph; flower consists of a single row of large petals; dark velvety-crimson inside with a bronzy-buff reverse. It would be impossible to believe this to be a natural flower if there was no stem and foliage on the same.



DAIKOKU

“FUGI”

(The Wistaria)

The largest of the entire set; pale lavender in color with very narrow petals hanging down 8 or 10 inches in length. Very refined type. Splendid foliage and stem.

“TACHIBANA”

(The Orange)

Looks exactly like a mass of corn-silk and when the flower is removed from the stem it is impossible to believe it to be a flower, certainly no one would think it was a Chrysanthemum.

“DAIKOKU”

(God of Wealth)

Evidently a sport of Fugi, since it resembles it very closely, except that the petals are a combination of pink, and pale green; each individual petal twists showing the pink in one place and the pale green in another and when the whole flower is seen together it is very attractive.

Price: 50c. per plant, \$5.00 per doz.
\$35.00 per 100



WHITE THREAD



SAM CASWELL

Feathery, Spidery and Thread-Like Varieties

Price: 25c. per plant, \$2.50 per doz., \$20.00 per 100

WHITE THREAD

A beautiful and interesting variety resembling nothing so much as a quantity of short white threads growing on a stem. In contrast with large varieties in any exhibition it always calls forth great interest. Thread-like type.

SAM CASWELL

Somewhat resembles White Thread except that it is larger and the end of each petal is divided into three points; the color is a brilliant Rose-pink and a spray of this variety is a pleasing and attractive sight. Feathery type.

JU-JUTSU

This 'Mum reminds one of the old-fashioned peppermint-stick inasmuch as half the petal is white and the other half deep pink. The petals alternating make this a most fascinating variety. Spidery type.

The above three varieties should be in every collection.



JU-JUTSU



SOURCE D'OR (See page 21)

Pot Plants and Decorative Varieties

Price: 15c. per plant, \$1.50 per doz., \$10.00 per 100.

The following varieties are listed separately for the convenience of the buyer, and are all particularly adapted for pot plant work. This is not to say that many other varieties not here listed are not adapted for pot plant work also, but these are the kinds usually grown for the wholesale markets in large quantities. They are often handled very satisfactorily by being planted out in the open ground in May, kept pinched into shape and potted September 1st. So treated they are a very profitable crop, blooming from October 15th to the end of the season, according to variety.

BELLE MAUVE

A good all-around variety; Rose-pink in color, very largely grown.

CRIMSON QUINTUS

Excellent decorative variety; deep crimson, with splendid contrasting foliage of dark green.

CRIMSON SOURCE D'OR

Crimson sport of Source d'Or, the showiest variety of all the decorative types.

**GASTON QUINEAUX**

Brightest, glowing scarlet-crimson; very fine. Dwarf, handsome grower, one of the very best in this section.

HORTUS TOLSANUS

Color, old-gold shaded reddish bronze; can also be grown as a single stem variety.

LIZZIE ADCOCK

Deep yellow sport of Source d'Or. Precisely like the parent in every respect as to growth and culture.

PINK PERFECTION

Soft mauve-pink. A dwarf, stiff stemmed variety that deserves to be more largely grown.

SOURCE D'OR

Sometimes called "Golden Feather," a wonderful variety when grown in sprays or as a pot plant. Deep reddish-bronze.

YELLOW TRIUMPHANT

Clear, bright yellow; one of the best to grow.

The Cap Family

Price: 15c. per plant, \$1.50 per doz., \$10.00 per 100.

The following eight varieties have proven themselves the most popular Pot Plants, since we introduced them several years ago. They are all sports of the variety "Caprice du Printemps" and when our Mr. Totty visited Europe in 1912 in search of new plants for his customers and found they were being grown by the million for the London market, he lost no time in introducing them in this country.

BUTLER'S CAPRICE. Deep pink sport of Caprice du Printemps.

CAPRICE DU PRINTEMPS. Rose-pink sport of Caprice.

KATHLEEN THOMPSON. The Crimson sport.

LILAC CAP. Deep Lilac sport.

MRS. GREENING. Pale pink sport.

PURPLE CAP. Bright purple sport.

WHITE CAP. Pure white sport.

YELLOW CAP. Brilliant yellow sport.



BUTLER'S CAPRICE



GRAF VON ORIOLA



CLEMENCIA

Novelty Japanese Anemone Chrysanthemums

Price: 30c. per plant, \$3.00 per doz., \$20.00 per 100.

Among these are included the wonderful "Tuxedo Collection." which were the sensation of the Shows this past Fall, not only on account of their size but also their beautiful colorings. For those who wish to grow the entire set, we will send one each of every variety at a special price of \$3.50.

CLEMENCIA

Deep pink, shading to a deeper pink in the center cluster; this latter is very prominent since it is just crowded with petals and reaches across the flower about 4 inches. At first glance it reminds one of an artificial flower of crepe paper; as the petals are very crisp and showy.

ELEANOR

A lovely dainty shade of Enchantress-pink. Whether grown as a large flowered variety or to be cut in sprays it is equally beautiful and should be in every collection.

GRAF VON ORIOLA

Strongest grower of the set; color pure rose pink; tubular petals in center tipped gold; ends of the outer petals incurve slightly, making a bold and striking appearance; very bright foliage.

GRAF VON FLEMING

This is a charming variety; color of the purest pale lavender; the petals of this exquisite flower are very narrow and refined; the outer petals are tubular until they reach the edges where they open and droop back. This was one of the most popular in the shows this Fall.



PEPITA



TITIAN BEAUTY (*See page 24*)

H. J. HEINZ

The largest of the set; light canary yellow in color on the outer petals with a fluffy, deep orange center. The large petals, as well as the center petals of this variety are tubular in form, which gives it a novel appearance.

INNOCENCIA

Outer petals of pure white; central petals most beautifully flushed pale pink; edges of the tubular petals in center of light yellow. Fine growth; an exquisite variety.

JUNO

Deep lilac shading to white; the center head being loose and graceful and of a deeper shade than the outer petals; a magnificent variety in its color; foliage and stem all that can be desired.

OLD ROSE

As its name implies, a wonderful old rose color; center portion of the flower is very prominent, measuring 5 inches across. This is one of the largest of the series, being 9 inches across when grown five or six flowers to a plant. The edges of the center petals are tipped gold and in contrast with the old rose of the outer petals makes a ravishing combination.

PEPITA

Pale pink on outer petals, with an orange-yellow center; a delightful combination as seen in this type of Chrysanthemum. This flower is much heavier than many of the other varieties; the petals being of such strong texture permits of its being shipped considerable distance and arriving in perfect shape.



JUNO



WEE WAH



YELLOW PRINCE

SURPRISE

Brilliant rose-pink; one of the largest and very finest in this section.

TITIAN BEAUTY

Color deep, rich bronze, shading in center to scarlet. Personally, we consider this the most striking of the collection; outer petals reflex, showing the center to advantage; the plant is very strong in growth, with heavy, dark green foliage.

WILFREDA

Outer petals pale yellow; center petals bronzy, tipped straw yellow. Plant is a very strong grower and the flower holds itself very stiff and erect, when cut on long sprays. This is a distinct appearing variety as the petals on the flower stand out at right angles from the center tuft.



WILFREDA

WEE WAH

This is a gorgeously colored sort; the general effect is terra cotta, shading to bronze yellow, somewhat of a flame color; the outer petals are very brilliant and distinct looking, as though gold dust were powdered over their yellow-crimson color. This is a dwarf, handsome grower and should be very popular.

YELLOW PRINCE

Maize yellow, with center of brilliant orange yellow; fluffy variety as the tubular petals are loosely arranged in the center, giving the flower a very light and airy appearance. One of the most attractive of the group, in color and style of growth.



MRS. HARRISON CRAIG (See page 27)

Hardy Garden Section

The types of Chrysanthemum that follow in the succeeding pages are all Hardy, and can be depended on to flower most satisfactorily in all the States from New York, south, and many of them, such as the New Early Flowering varieties, give splendid results even into the Northern New England States.

The types we recommend are the Early Flowering, the Singles—saving the Late Flowering sorts—and the Pompons. The Early Flowering are the most tender, but they give five to six weeks of perfect satisfaction outdoors in an ordinary season, which is more than any of the other varieties will do.

The Singles are so hardy that in many cases they seed themselves in the garden, and many amateurs are producing splendid varieties without the aid of a greenhouse; Mr. Francis H. Bergen, who gives us the splendid Miss Ruth S. Bergen, and Mr. W. H. Waite, the producer of "Charlotte Waite," being two of the most notable growers in this respect.

We are informed that Outdoor 'Mums are not satisfactory in the Mid-western states, as the first frost comes often by September 20th, but we are convinced that much of the trouble is due to the wrong varieties being planted; such as greenhouse sorts, which are too tender to withstand such conditions. A temperature of 22 degrees will blast the open flowers, but it will not injure the unopened buds in any way, and as a rule, after the first frosts have gone, there are weeks of lovely "Indian Summer" weather when the outdoor Chrysanthemums can be enjoyed to their fullest extent.

If customers will write us regarding selections, we will be pleased to give advice regarding the best sorts to grow.



Early-Flowering Chrysanthemums

This type of Chrysanthemum deserves a place in every garden, coming as it does after the Summer flowers have begun to wane, and continuing to bloom profusely in most places until well into November.

The cultivation of these 'Mums is simple: Plant them in a rich, well drained piece of ground, setting out the plants a foot apart and pinching them once or twice during the months of May or June. They will branch out and make beautiful bushes and give the cultivator more return for the labor expended than any plant in the garden. There is a place for this type of 'Mums in every garden in America, whether one has greenhouses or frames or not. Some growers who have grown these as pot plants have had great success with the same and we can recommend them highly for that purpose.

STANDARD VARIETIES

Price of these varieties: 20c. each, \$2.00 per doz., \$15.00 per 100. Our Selection \$10.00 per 100.

ANTOINETTE LANQUETOT. A splendid dwarf grower; very stiff stems; color white, beautifully flushed with delicate lilac rose.

A. BARHAM. A beautiful orange bronze and the first variety of this color to come into flower. Shows up wonderfully well under light when used as a decoration.

BELLE MAUVE. Mauve in color; a first-class variety; blooms early and is very free-blooming.

BRUNE POITEVINE. Deep, glowing crimson, the color of the old Cullingfordi. We must concede the palm in crimson to this variety as it is much more brilliant than L'Argenteuillais.

CRANFORDIA. In this variety we have an early-flowering 'Mum that covers every possible point; perfect in flower and stem; foliage up to the flower and every plant will carry twelve to twenty beautifully finished flowers. We cannot too strongly recommend this variety to grow in large blocks for cutting, as we are positive it will fill all requirements. Color deep, bronzy yellow.

CARMELITE. Deepest golden yellow; very free.

CRIMSON PRIDE. Crimson, tipped gold.



CRANFORDIA

CARRIE. Deep yellow; beautiful and one of the best known.

CHAS. JOLLY. Bright, rosy pink; splendid variety and popular with everyone.

DEBUTANTE. Pure white in color, perfect in shape, and if the plant is pinched until July 1st will give quantities of snow-white flowers on stems amply long enough to use as a cut flower.

DIANA. Bronze orange, shaded gold.

ETOILE D'OR. Yellow.

FIRELIGHT. Brilliant carmine, shaded with scarlet. In perfect condition to cut October 1st, either outdoors or under glass. The earliest and best thing in its color.

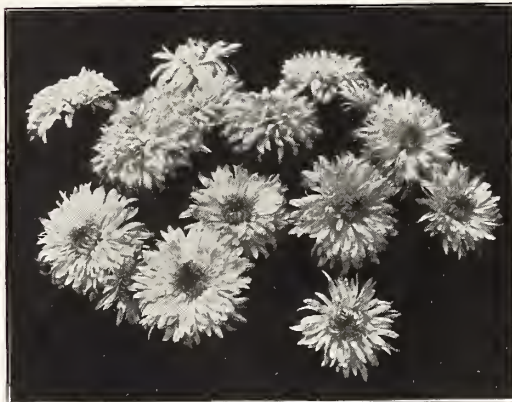
FRANCIS. Bronzy red; splendid habit.

HORTENSE MALGAT. Color a magnificent pink. In full flower October 1st. One of the choicest varieties we have. Very productive.

HARVEST HOME. Deep bronzy yellow.

LA RHIN. Reddish terra cotta; stiff habit.

L'AISNE. Violet purple; dwarf; sturdy habit and free flowering.



DEBUTANTE



MISS B. HAMILTON

L'ARGENTUILLAIS. Deep chestnut.

LE PACTOLE. Bronzy yellow; large flower; strong grower; disbud slightly.

LE TAGE. Terra cotta.

MISS B. HAMILTON. Splendid, deep yellow, the petals of which stand out perfectly straight, showing the flower to the best advantage. This variety is very much on the style of Cranfordia, but the foliage comes up much closer to the flower.

"MRS. HARRISON CRAIG." One of the most unique-colored varieties we have ever handled or disseminated, the groundwork of the petals being yellow overlaid with brilliant, orange-crimson, which on first inspection looks as if it were fine powder sprinkled over the flowers. These blooms created a furore wherever shown; showing up even more effectively under artificial light; dwarf and robust growth, ideal in habit, and a variety that we predict will be grown for many years on account of its marvellous color, handsome habit and hardiness.

MRS. DEAN EMERY. Color, brilliant chamois-pink, on the style of Le Pactole; flower exceptionally large and distinct, and wonderfully lasting. This variety does not have the tendency to run to bud as

do so many of its type, but starts growing early in the season and continues to do so for many weeks. Stem and foliage ideal.

MADAME DE L'ARGENTAYE. Plant very healthy doer; medium to tall grower. Color beautiful shade of flesh pink, flushed lavender.

MADAME MARQUES. Blush white, splendid variety, and fully developed by October 1st. Amply repays for disbudding and good care.

MISS BURCHFELL. Deep, blush pink, with gold center.

NELLIE BLAKE. Chestnut crimson; in full flower September 20th. Dwarf, handsome variety.

NORMANDIE. Creamy white; magnificent variety. The earliest and perhaps the best.

PETITE LOUIS. Beautiful silvery mauve. Plant is a very strong grower and one of the most satisfactory varieties we have ever tested, for outdoor cultivation.

PETITE JEAN. On the style of Perle Chatil-lonnaise, but comes into flower about a week later. Color pure white, with a light yellow center.

One each of any twelve of the above varieties, \$2.25.

"Have you some more of those fine seedling Delphiniums? Those plants sent me last year were the finest I ever saw.

Mrs. F. P., Asheville, N. C.

I have yet to see anything as remarkable as the blooms from your Chrysanthemum plants.

Miss M. C., Lynchburg, Va.

Thank you so much for including an extra Rose bush. Your plants are very large and fine and should give nice flowers.

T. H. C., Trenton, N. J.

My Chrysanthemums came—they certainly look good to me and I am looking forward to their blooming period next fall.

C. K. H., Merchantville, N. J.



SUPREME



PORTIA

Novelty Single Chrysanthemums for 1918

Our Singles are International. In the following list, are several sorts from Godfrey of Devonshire; and Wells of Merstham, England; also varieties from several American hybridizers including our own sorts. This list is literally the "cream" of the world's best in Singles.

Price: 30c. per plant, \$3.00 per doz., \$20.00 per 100

SUPREME (Wells)

Glowing crimson; much the finest thing in this shade we have ever introduced. Flowers are well divided on the stem and need no disbudding as they are extra-large in size. Supreme will be the standard crimson another year.



BRONZE BUCKINGHAM

PORTIA (Wells)

Deep salmon bronze shading in center to a bright flame; splendid habit. This variety created a sensation wherever shown at the fall exhibitions.

BRONZE BUCKINGHAM (Fengar)

When we say this variety is a duplicate of its parent in every respect except color, little more description is necessary for Buckingham is one of the best known Singles. Color is a cheerful glowing bronze, and the commercial growers who are handling Buckingham for market flowers, will welcome this bronze companion with open arms.



BEATRICE

BEATRICE (Godfrey)

Brilliant old-gold with lighter shadings in the center; one of the most popular varieties ever staged on the exhibition table. Foliage broad and glossy and stem very rigid.

IDA CATHERINE SKIFF (Totty)

Most quickly described as a greatly improved Yvonne; color is a brilliant bronzy amber, flowers large and well placed on the stem, needing no disbudding owing to the length of the footstalk; an invaluable variety for cut-flower work.

LOUIS SPEARS (Godfrey)

Brilliant chestnut-crimson; plant a very strong grower, needs to be disbudded as the flowers are rather closely placed on the stem. The individual petals have considerable texture and finish off to a point. The flower is very easily carried by the strong stem. The foliage is ample and attractive.

FERNRIDGE (Bergen)

When first opening is practically a brilliant-scarlet, which gradually fades to a terra-cotta. Light graceful growing variety and in color, one of the most attractive ever sent out, as a bright gold zone around the center makes a beautiful combination of scarlet and gold, not often seen in a Chrysanthemum.



IDA CATHERINE SKIFF

JOSEPHINE SCHOLTMAN (Totty)

Pale lilac in color with white zone around the immediate center of the flower. This variety was well shown at the Cleveland exhibition, where it was much admired, on account of its delicate shadings.

BERTHA FAIRS (Wells)

Brilliant rose-pink; one of the earliest to come into flower with us, as it was fully open around the third of October. Valuable as a garden variety on account of its early season of blooming. Color most exquisite.



BERTHA FAIRS



MRS. MAX BEHR



CHLORIS

MRS. MAX BEHR (Godfrey)

Shiny-chestnut scarlet; very dwarf grower and the flowers are closely placed together, therefore, should be slightly disbudded to give best results. A splendid variety in every way; stem, foliage and habit being all ideal.

Henry Gaut's Novelty Singles

These varieties exhibited by Mr. Gaut for two seasons created a wonderful impression at the Flower Shows. We have been fortunate in procuring the entire stock to distribute to our customers this year.

Price: 30c. per plant, \$3.00 per doz., \$20 per 100.

ARES

Deep velvety crimson, flowers of great size and the individual petals have great texture. The brilliant orange center lights up the whole flower wonderfully and makes a very effective combination. Footstalk very strong and flowers are well divided on the stem showing each bloom to the best advantage. Awarded two certificates.

ARTEMIS

Sunlight-yellow; exceptionally strong foliage and stem; this variety needs no disbudding as the stems are long and flowers well placed. In every way one of the most charming varieties in this color. Certificated C. S. A.

CHLORIS

Terra-cotta bronze with flame tipped petals and flame-shadings on petals near the center of the flower. Individual flowers $4\frac{1}{2}$ inches across growing five to six on one stem. This is the variety to grow if one is looking for something distinct in a single Chrysanthemum. Habit of plant very vigorous and large handsome foliage all combine to make this variety one of the best in this color. Awarded three certificates.

HELIOS

Chestnut-scarlet, occasionally flecked with yellow at the tips. The individual petals twist back making the flower look as though the petals were quilled. Foliage and stem particularly pleasing. When planted within the garden where it can be associated with Autumn foliage at blooming time it is most attractive. Certificated C. S. A. and Nassau Co. Society.

Waite's Novelty Singles

"DAINTY"

A seedling from the old Indicum and for those who are looking for something different, for made up work such as dinner table or basket decoration, will be of great service.

It is a fine compact grower good either as a pot plant, or planted out *in the open*. It has very delicate stems, but as stiff as wire. The flowers are a pleasing yet somewhat strange combination. The buds are reddish bronze, the opening flowers a yellowish pink, and the full open flowers a delicate rose pink.

The flowers, are small and Daisy like. It is altogether, a simple and beautiful variety and well named "Dainty."



DAINTY



MRS. W. H. WAITE

"MRS. W. H. WAITE"

The flowers open a soft Enchantress Carnation pink, and when fully expanded, are pure white. The combination of the two colors, of the opening and full open flowers, make a charming combination.

The petals are cactus shaped, and with an exceptionally small disk, the flower has a most refined appearance.

It is a strong grower, has fine lustrous foliage and is in flower for the earliest shows. The flowers are large without being disbudded, but when disbudded to fine blooms on a terminal spray it is fit for any exhibition table.



EXCELSIOR

GOLDEN MENSA

WM. W. BUCKINGHAM (See page 34)

Single Chrysanthemums

Standard Varieties

Price: 15c. per plant, \$1.50 per doz., \$10.00 per 100.

My selection, \$8.00 per 100.

Many of these singles have proven themselves to be the finest and most showy variety for outdoor planting. If customers will write us, we will give them every information regarding the best varieties to grow in their particular sections as to colors and adaptability for Fall Garden effects.

CHARLOTTE WAITE. (Waite) Deep rose pink, with bright yellow center. This variety has been grown outside the last three years, and is absolutely hardy. The strong point in its favor is that it is always in flower the 5th of October. Splendid dwarf habit which does not require staking. Plant will make a round, compact bush 2 to 3 feet across, and when fully in flower, its lovely pink blossoms are a sight not easily forgotten.

CARLOTTA. A careful perusal of Ridgeway's color chart establishes the color of this variety as near as we can come to it as a Massicot yellow fading eventually to white; the growth is ideal, the individual foot stalk being very stiff, and conforming in every respect to the ideal commercial growth; very dwarf in habit. In flower November 10th.

CARDINAL. Color most brilliant crimson; has several rows of petals, giving the blooms considerable body and causing it to show up magnificently in a collection of varieties.

CRIMSON JEWEL. Rather tall grower, but one of the finest Singles ever introduced.

CEDDIE WHITE. One of the most distinct singles ever introduced. The ground color of the variety is yellow and the tips of the petals are beautifully colored blood red.

CHAS. KINGSLEY. Golden yellow; perfect shaped flower and a splendid thing in every way.

DOROTHY DANN. A lovely salmon bronze, medium in size. Flowers are well divided and carried on long, graceful sprays.



MRS. ALBERT PHILLIPS

SINGLE CHRYSANTHEMUMS—Continued

EXCELSIOR. A gorgeous variety. When first opening almost a scarlet, which afterward changes to bronze and flame color. One of the very largest and most attractive singles ever introduced.

ELSA. Snow white, with a lovely golden-yellow center, making a lovely plant when grown in sprays.

ERNEST WESTLAKE. Growth very sturdy and robust; foliage right up to the flower; footstalk particularly stiff; color lovely shade of light pink. This variety will make a wonderful pot plant and is one of the showiest in the collection. The petalage is very odd, being fimbriated at the ends.

GLADYS DUCKHAM. One of the largest whites. Certificated by the C. S. A. at Philadelphia and Boston.

GRACE DARLING. Beautiful white. Should not be disbudded. Makes beautiful sprays for cutting.

GOLDEN MENSA. The parent of this variety, Mensa, is probably the finest single that has ever been raised. It is of a wonderful size, with enough petalage to enable it to be shipped thousands of miles and come out of the box in perfect condition. In Golden Mensa we have a yellow sport of the same identical with Mensa in every way except color, which is a bright, golden yellow.

H. MARIE TOTTY. We consider this the finest Single we have ever had the pleasure of introducing; the flowers are a little late for the first shows, but are in perfect condition by November 10th, and keep splendidly from then until Thanksgiving. Color is a brilliant crimson, with scarlet shadings near the center of the flower, center is bright green and the flower has a bright zone of yellow near the disc around the petals.

IVOR GRANT. A splendid rose pink, single, with a white zone around the brilliant yellow center. A very valuable addition to the many wonderful pinks already in cultivation.



MISS RUTH S. BERGEN (See page 34)

IRENE. Deep lavender, with bright white zone, round center; carries three rows of petals. The first in its color to open with us this year, being ready to cut October 1st.

JOAN EDWARDS. Beautiful pink; a very handsome variety.

JOSEPHINE. In this variety we have a splendid single. Yellow in color; flower is heavy in texture, foot-stalk perfectly stiff and when disbudded will produce flowers about six inches across. This is a variety every grower should handle. Certificated by C. S. A.

LOUISE. This flower is an exquisite shade of light salmon pink with yellow shadings; a distinct and lovely color; blooms profusely outdoors by October 1st, and still in splendid shape six weeks afterward.

MRS. LOU THOMPSON. Primrose-colored sport from Mensa. Must not be confused with Golden Mensa, which is considerably deeper in color.

MENSA. Purest white. This is a splendid variety. Certificated by C. S. A.

MRS. W. A. HIGGS. White, flushed pink; very large, handsome variety.

MRS. ALBERT PHILLIPS. Deep lavender in color, one of the earliest of the Singles to develop this year; fully open October 5th, when first opening the contrasting color is a lovely cream, charming and beautiful.

"MILLICENT PIPER." Most quickly described as an earlier Mensa, coming into bloom 10 days before Mensa; equally as large and vigorous in habit and not so subject to disease as Mensa. This variety was in the market and sold before Mensa was ready to ship, and proved itself a most profitable sort.



ROSE WALKER (See page 34)

"MISS RUTH S. BERGEN." Brilliant amaranth with a straw-yellow zone around the center; the picture shows sprays of this Single cut outdoors from a plant which made a growth 6 feet high and carried numerous sprays of flowers with 12 to 16 blooms on a spray. This variety was raised outdoors without having ever been grown in a greenhouse and is particularly strong and healthy.

MARION SUTHERLAND. Very large yellow; double rows of petals; brilliant and very attractive. Either slightly disbudded or grown in long, graceful sprays, it makes a very handsome flower.

MRS. H. HOGBEN. Orange bronze; charming color for table decorations and has every other desirable attribute. Medium height and growth; perfectly stiff foot stalk, which shows the flower at its best.

MARGARET SARGENT. A dainty sweetly pretty pink; good stiff habit, making it splendidly adapted for bush plants.

MRS. JOHN A. STEWART, JR. A lovely bronze with yellow zone immediately around the center disc; just the color that associates itself with Autumn foliage; probably the most popular variety we exhibited at any of the exhibitions. Certificated by C. S. A.

MRS. CHAS. C. MICKLE. Splendid flower, conforming in all respects, to the type; color the purest possible white, bright golden center; a great improvement on R. B. Burge; in habit and flowering about a week later. Certificated by C. S. A. with a score of ninety points.

MRS. E. H. WELLS. Petals creamy white in center shading to palest lavender on outer edges; refined and beautiful flower the admiration of all who have seen this variety both in the greenhouses and at the exhibitions.

MRS. H. SHOEBRIDGE. This variety has only a single row of petals which are most artistically twisted and whorled; color a lovely shade of rose pink and this variety we feel sure will find a place in every establishment.

MRS. W. E. BUCKINGHAM. Midseason pink, has proved itself one of the best varieties for cutting or market purposes ever introduced. We cannot too strongly recommend this variety, as it fills all the requirements of an ideal market single.

MRS. E. D. GODFREY. Light pink; same shade as Lady Hopetoun; very finest variety for Thanksgiving market; very strong grower and more largely grown than any other single.

MANOR HOUSE. Terra cotta. Very handsome variety for the collections.

PHYLLIS BRYANT. Sulphur yellow. The flower is absolutely perfect in outline and one of the very finest yellows we have so far received for cutting and shipping. We strongly recommend this variety to every grower.

DOLLY DUNCAN. Canary yellow. Flowers very large and borne erect on good, stiff stems. A most desirable variety.

RICHARD DELAFIELD. Exceptionally novel in color; a very deep terra-cotta with scarlet shadings. One of the most brilliant varieties we have ever distributed. When shown in conjunction with a white variety the effect is marvelous.

ROSE WALKER. Most distinct flower in the collection this year; color bronzy-red, with flowers twisted on the edges like a Cactus Dahlia, and tipped blood-red; some of the petals have this latter color running through them; a very novel sort.

SNOWFLAKE. Purest white. A large, splendid flower that is most attractive.

STANLEY VEN. Lovely rose color; sprays are well divided, doing away with the necessity of any disbudding. Certificated at Philadelphia, Boston and Chicago.

SYLVIA SLADE. Rosy garnet, with broad, pure white ring around the disc; as true as a Cineraria flower. The habit and freedom of flowering are superb.

VERONICA. A chastely, beautiful variety; lower petals delicately flushed the palest possible pink, the center of the flower is white, the petals instead of coming to a point as many Singles do, are delicately rounded. The plant is ideal in growth and will carry six or eight flowers on every spray as the foot-stalk is long and the flowers equally well divided.

VIVIAN COOK. A delightful addition to the already large list of yellow; coming in as it does a week before Golden Mensa, with a larger flower, it fills in nicely; the color is a brilliant-canary yellow, somewhat different from any other yellow ever sent out.

YVONNE. Brilliant, bronzy amber, on the style of Dorothy Dann, but a shade lighter in color.



VERONICA

Improved Hardy Varieties

Price: 20c. per plant, \$2.00 per doz., \$15.00 per 100.

The following varieties represent the selection from hundreds of sorts we tested in order to get the very finest for your Garden. They average very much larger and better than the Standard varieties; are ideal in habit and growth and are not prone to suffer leaf-disease as are some of the smaller types known as the "Button" varieties. Mrs. Francis Bergen, by being disbudded can be grown just as large as the indoor varieties; and Lillian and White Doty are known from coast to coast. These are superior Pompon varieties.

CONNIE DICK

This has been aptly termed the "Yellow Doty," It is almost identical in every respect except color which is a clear glowing yellow; very striking in contrast with other varieties. We feel that Connie Dick is the most valuable variety ever introduced in the large flowering Pompon section, as the habit is ideal; growth strong and stiff stems with glossy foliage, a fascinating variety seeming to possess every desirable quality. 30c. per plant, \$3.00 per doz., \$20.00 per 100.

DONALD

Light pink; very fine grower, large and sturdy, flowering outdoors in a sheltered situation up to Thanksgiving.

GOLDEN WEST

A duplicate of the Yellow Baby, except that it is twice as large. A prize winner at Cleveland and Chicago.

GOLDEN CLIMAX

Orange yellow. In our opinion the finest of the many yellows now in cultivation, possessing every necessary qualification. This variety has been admired more than any other variety in the exhibitions, particularly at Chicago. Truly named, as it does not seem possible to improve on this variety.



CONNIE DICK

LILLIAN DOTY

It is much the finest pink in the large-flowered section of the entire Pompon family. The plant is a tremendous grower and will make stems four and five feet long, producing beautiful sprays of clear, light pink flowers.

MARY

Pearl white, flushed pink, coming into bloom about November 1st and can best be briefly described as an improved Grace.

MRS. FRANCIS H. BERGEN

Creamy white with center of rosy pink shading to lighter pink in the outer edges. As the flower ages it changes to a charming pale lavender. We consider this the most valuable of the many sorts introduced, for garden work; blooms October 25th.

NIPPON

This Pompon makes an ideal pot plant, being short-jointed and bushy in growth, forming a perfect plant with practically no pinching. Color flesh-white, with light yellow center. We strongly recommend this variety for either pot plants or bench culture, as well as being one of the best outdoor varieties we ever introduced. Season of flowering, first week in November.

WESTERN BEAUTY

A deep rose-pink, rather late for the shows, but one of the best Pompons ever introduced.

WHITE DOTY

A sport of the popular variety, Lillian Doty, and a duplicate of the parent in every way, except color, which is pure milk white. This is a hardy plant that will grow outdoors just as well as in the greenhouse, and will give the grower wonderful results grown either way. Every stem on the plant carries a spray of eight or ten perfect flowers, and with its bright, glossy, green foliage and stiff, erect growth, this charming variety fascinates everyone.

One plant each of all the above varieties for \$1.50

Hardy Pompons

STANDARD VARIETIES

Price: 10c. per plant, \$1.00 per doz., \$7.50 per 100.

BABY. Everybody's favorite. The smallest yellow variety grown.

BALTIMORE. Violet. Violet red; large single; quilled petals.

BABY MARGARET. Said to be a pure white sport of Baby; a very beautiful thing.

EXCELSIOR. Large flowers; bright, orange yellow; long stems.

ELKTON. Light pink; full large flowers.

GRACE. Blush white; occasionally tinged with rose. Dwarf, perfect habit.

JULIA LAGRAVERE. Crimson maroon; for cut flowers.

KLONDIKE. Brilliant yellow compact blooms of medium size

KENNETH. Pure white; large flowers.

LELIA. Splendid scarlet bronze in color; tall, handsome flower, quite large in size.

MRS. FRANK WILCOX (Mrs. Frank Beu). Color, reddish-orange, splendid variety for Thanksgiving use.

MYERS' PERFECTION. Fine, pure white; tall grower.

QUEEN OF THE WHITES. Fine, creamy white; best in its color.

SUSQUEHANNA. Very fine yellow.

SNOW QUEEN. Large, handsome variety, particularly adapted for cutting; flowers purest possible white, as its name signifies, but central boss is not quite so prominent as is usual in this type.



URITH. Large flowers; broad florets; bronze, tipped yellow.

WM. SABEY. Canary yellow.

WM. WESTLAKE. Golden yellow.

YELLOW GEM. Large, full flowers; pure yellow.

ZENOBI. Pure yellow.

WALLACE. Pure yellow; perfectly formed flowers.

ANEMONE POMPONS

Similar to the Japanese Anemones but these are much smaller in size, running about the size of the Hardy Pompon 'Mums—hence the name.

Price: 15c. per plant, \$1.50 per doz., \$10.00 per 100.

ASTARTE. Bright, brassy amber.

CITRINUS. Buff, orange center.

C. L. HUTCHINSON. In this variety we have the ideal Anemone. The color of the petals is a pure white and the Anemone center is a bright yellow, making a beautiful contrast. Entirely distinct from Garza and flowering, as it does, some ten days before that variety, makes it a very valuable acquisition.

EXCELLENCE. Pure white; neat grower.

ESA. Splendid pink; very dwarf.

GARZA. Pure white. The most largely crown variety.

GODFREY'S PERFECTION. late variety which comes in excellent condition for Thanksgiving. Dwarf, robust habit, very stiff stem. Color of flower a beautiful, clear white.

MME. ROBT. OWEN. Pure white; good.

MRS. HENEAGE. Brassy yellow; sport from Delaware.

MRS. SHIMMINS. Apricot, shaded red; a lovely variety.

"NORMAN REUTER." Deepest golden yellow with its small, tufted head of bright orange in the center. Growth very short jointed; ideal for growing as a pot plant or cut flowers in sprays when slightly disbudded. Most valuable addition this type has had in years.



NORMAN REUTER

NOVELTY ROSES

Greenhouse Forcing—Grafted and Own Root Stock

Price: 2 $\frac{1}{4}$ -in. plants, 60c. per plant, \$6.00 per doz., \$40.00 per 100.
 3 -in. plants, 75c. per plant, 7.50 per doz., 50.00 per 100.
 4 -in. plants, \$1.00 per plant, 9.00 per doz., 60.00 per 100.



OPHELIA SUPREME

OPHELIA SUPREME

(Dailledouze)

The peer of the numerous sports that have so far appeared from Ophelia. Color light rose with a deeper shading in the centre and a flush of yellow at the base of each petal which lights up the flower wonderfully and vivifies its exquisite color. In petalage it averages four or five petals more than the parent Ophelia and individually they have a heavier texture. In habit it has the same superb growth, clear, dark, healthy foliage and quick cropping qualities of the parent. Ophelia Supreme will unquestionably take the place of Ophelia as did Enchantress Supreme, of the Enchantress Carnation.

COLUMBIA (Hill)

This variety sends up quickly numerous stiff stems which are of good length without pinching, and naturally throws long, stiff smooth stems. It is a free easy grower with beautiful foliage, the leaves spaced just right to please a cut-flower grower and to form a fine setting for the bloom. "A Rose without a thorn, almost!" Thornless for 10 to 12 inches below the flower, as well as very few thorns on the lower stem. Color true pink about the shade of a perfect Shawyer, deepening as it opens to glowing pink; a peculiarity of the variety is that the shades all become more intense until the full maturity of the flower is reached.

DOUBLE OPHELIA (Hill)

Very similar to Ophelia from which it is a seedling, is the Double Ophelia; this is another Big Rose, with double as many petals as the parent, opening freely into a beautifully finished form. This will make a wonderful garden rose as the additional petalage makes it a very large flower that holds for days in good condition.


COLUMBIA (*See page 35*)

TWO BEAUTIFUL NEW MINIATURE ROSES

GRAFTED

- 2½-in.: 30c. per plant, \$3.00 per doz., \$22.50 per 100.
 3 -in.: 40c. per plant, \$4.00 per doz., \$27.50 per 100.
 4 -in.: 50c. per plant, \$5.00 per doz., \$35.00 per 100.

OWN ROOT

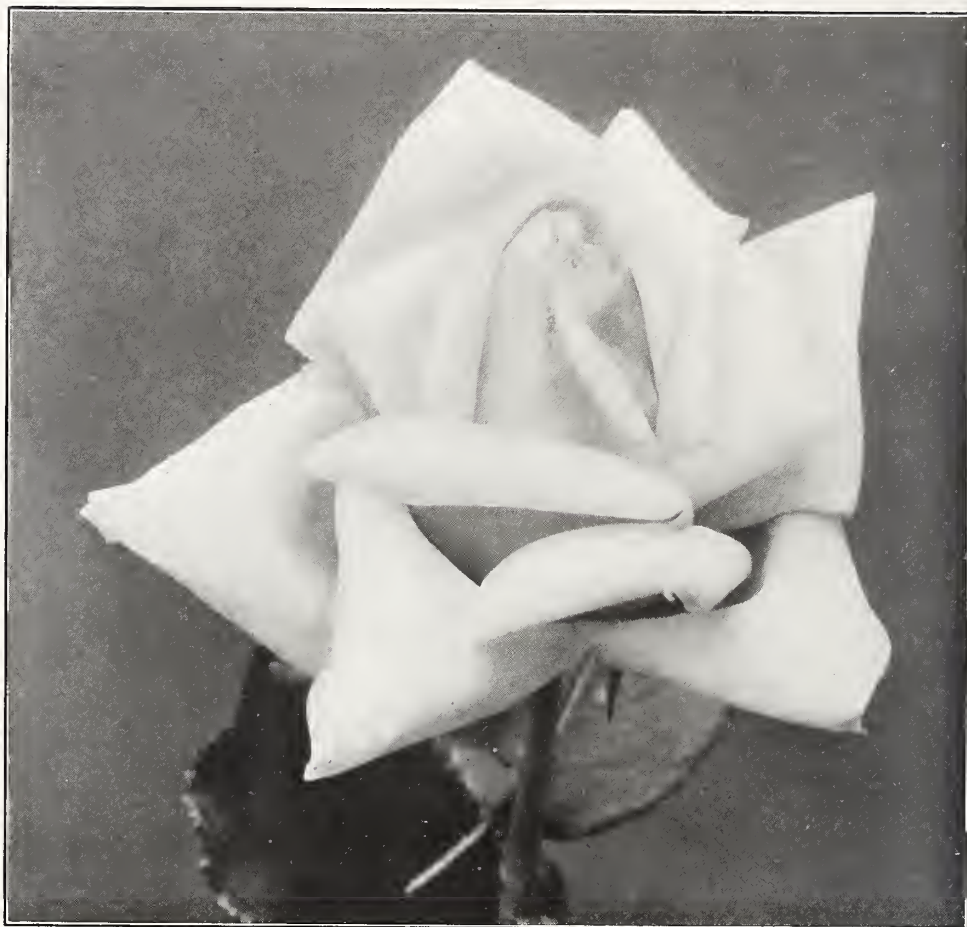
- 2½-in.: 20c. per plant, \$2.00 per doz., \$15.00 per 100.
 3 -in.: 30c. per plant, \$3.00 per doz., \$20.00 per 100.
 4 -in.: 40c. per plant, \$4.00 per doz., \$25.00 per 100.

TITANIA

Under the name of "Indian Summer," this Rose has already created a very favorable impression in the western markets. Its wonderful, vigorous growth, producing immense quantities of small flowers of the fascinating shades noted in the autumn foliage of the maple tree—scarlet bronze and flame colors predominating. This Rose was originally introduced under the name "Titania," though the name "Indian Summer," is more appropriate since it very readily describes the wonderful coloring in this lovely Rose. A wonderful rose as a bedding plant also, being perfectly hardy.

ROSALIE (Baby Chatenay)

This variety resembles the favorite Cecil Brunner, very much in color, but with us is much more vigorous in growth and the individual trusses of bloom are produced on much longer stems. The foliage is clean and mildew-proof and sets off the flowers to great advantage. Color, shell pink—one that is in great demand. We recommend this variety to all growers of this type of miniature Roses.



OPHELIA (See page 41)

Standard Varieties of Roses for Forcing

GRAFTED

- 2½-in.: 25c. per plant, \$2.50 per doz., \$20.00 per 100.
 3 -in.: 35c. per plant, \$4.00 per doz., \$30.00 per 100.
 4 -in.: 40c. per plant, \$4.50 per doz., \$35.00 per 100.

OWN-ROOT

- 2½-in.: 15c. per plant, \$1.50 per doz., \$10.00 per 100.
 3 -in.: 20c. per plant, \$2.00 per doz., \$15.00 per 100.
 4 -in.: 30c. per plant, \$3.00 per doz., \$20.00 per 100.

AMERICAN BEAUTY. Too well known to need any description.

DOUBLE WHITE KILLARNEY. (Totty). There are several strains of Double White, but this stock we secured from a sport of Double Pink Killarney, and it is the finest type we have seen. In some soil Double White does not produce as many blooms as the Single White Killarney.

HADLEY. Deep, velvety crimson, retaining its brilliancy at all seasons of the year; strong, rigid growth and flowers borne on long, stiff stems; has proved on trial to be a first-class forcing variety.

HOOSIER BEAUTY. A rich, velvety crimson in color with deeper shadings. It is as fragrant as Richmond, has more petals and better keeping qualities. In production of bloom it ranks with any forcing variety. It naturally throws 2 and 3 foot stems; never has a dormant period, starting new growth very quickly at any time of the year. The glowing color, sweet scent, well-shaped buds, large, full flower, long keeping qualities, clean, healthy habit and freedom in growth and production of bloom have been declared wonderful. It is also easy to propagate.



STANDARD VARIETIES OF ROSES FOR FORCING—Continued

JONKHEER J. L. MOCK. Deep cerise pink in color, but the petals reflex, showing a much lighter shade. This is a wonderful Rose for summer and fall. To have it successful in winter it requires more heat than other varieties, as there is so much petalage to develop.

KILLARNEY. Best known and most largely grown pink today; too well known to need any further description.

LADY ALICE STANLEY. Deep rose-pink on outside of petal, inside clear shell-pink; very large full flower.

LADY HILLINGDON. Very free blooming and a beautiful, even, coppery yellow in color all through the year and particularly fine in midwinter.

MY MARYLAND. Best summer-flowering pink Rose. If grown for winter must have a night temperature of 64 degrees.

MRS. AARON WARD. A general favorite; rather short in bud, but wonderfully free flowering. In the bud state color is a beautiful, rich yellow, which changes to shades of pink as the flower develops.

MRS. CHAS. RUSSELL. Pink American Beauty, enormous in size, which lines into beautiful shape in flower, stem and foliage.

MAD. COLLETTE MARTINETTE. Deep golden yellow; this variety resembles the deepest shades of Sunburst and does not bleach. Mad. Collette Martinette is well worthy of a place in the rapidly increasing family of yellow Rose lovers. Own root only.

MRS. GEORGE SHAWYER. Is an all-year Rose, opening freely in midwinter and yet having enough body to stand equally well as a summer Rose.

OPHELIA. Color clear, bright salmon, often deepening toward golden pink; wonderfully fragrant, with long pointed buds and stiff stems. Large handsome foliage, showing that it is a wonderfully free bloomer and grower, and not prone to mildew. Growth free and continuous and does splendidly grafted on the Manetti.

PRINCE E. C. D'ARENBERG. This Rose has a lively, clear color, scarlet, with deeper shadings,

not inclined to turn blue, and is especially lively under artificial light, holding its color as long as the flower lasts. The bud is heavy and pointed, developing into a beautiful, full flower of great size and finish.

PRIMROSE. When first opening reminds one of Ophelia, but the individual flowers have more substance and considerably more color, being a deeper shade of pinkish yellow. The buds are long and beautifully pointed; foliage tough and leathery. Very free, clean grower, and by its behavior with us seems to be mildew and spot proof. We feel sure Primrose has a future as a greenhouse Rose. Own root only.

PRIMA DONNA (Syn. Mad. Paul Euler). Brilliant Rose Pink; has become a great favorite in the New York market; fragrant and free flowering.

RICHMOND. Most largely grown red for forcing in cultivation.

RADIANCE. A splendid and popular Rose; deep pink in color. Will produce three foot breaks without pinching; almost mildew-proof, and a wonderfully fine Rose to handle.

RED RADIANCE. A duplicate of its parent in every respect save color, which is a brilliant red; very free-flowering in habit and vigorous in growth. A wonderful variety in every way and a welcome addition to the ranks of the forcing Roses.

SEPTEMBER MORN. A light pink sport of Prima Donna, developed on the Pacific Coast. Has a splendid free growth, running 2 to 3 feet without pinching. The bud is rather short and the outer petals are fimbriated, giving the flower a novel appearance. September Morn has considerably more petals than the average forcing Rose and it is, without exception, the most sweetly scented of any Rose so far placed on the market.

SUNBURST. Finest yellow Rose; proved to be the "King" of its color. We can supply grafted stock of this variety, but would recommend that it be grown as own root stock.

WHITE KILLARNEY. Similar to Killarney in all respects save color. Most largely grown white in cultivation today.

Miniature or Corsage Roses

(see prices page 40)

BABY-DOLL. (The Everblooming Polyantha) This delightful little "sweetheart" Rose is an everblooming Polyantha, and will fall into the Cecil Brunner class for choice corsages and for fine, painty floral work. The color is absolutely new, and quite startling in its brilliancy—golden yellow, tipped with clear, bright cerise; the arrangement reminds one of Mme. Watteville. The little buds and blooms are very perfect in form, elegantly finished, and borne in fine, erect panicles. The foliage is narrow, long and sharply pointed, a deep, glossy green—a very beautiful setting for the lovely little doll Roses. The habit is better than in Brunner, a bunch of Baby-Doll being an even *parterre* of delicate color.

CECIL BRUNNER. Known under various names, such as Sweetheart, Mignon, etc. Is a dainty, miniature Rose. Light pink in color, and every greenhouse should have a few plants of this beautiful little Rose.

GEORGE ELGAR (Dwarf Polyantha). Sprays of golden yellow buds which are deep yellow when fully opened; free and erect in growth, with lovely, contrasting foliage of dark green.

IRISH FIREFLAME. A single Rose of only five petals. As a novelty it is wonderfully striking. Bud is intense, fiery crimson at the base, shading to a rich orange salmon. For cutting it is beautiful and a novel departure in Roses.

NEW CARNATION "LADDIE"

Color, a warm rose salmon pink. Flowers of largest size, average three and one-half inches in diameter when at proper stage to cut and which develop to four and one-half inches on the plants or in water. Undoubtedly, the coming fancy carnation to grow. The keeping qualities are beyond question far ahead of any carnation yet produced, being superior to Pink Delight from which as a seedling it inherited this excellent quality. The growth is good and clean, makes large plants which quickly throw strong stiff flowering shoots. The calyx is all that can be desired. An early and prolific producer.

Laddie won the Dorner Memorial Medal at Indianapolis, January 31, 1917. Certificated by the Boston Horticultural Society in the same month and later was awarded their Silver Medal. It has never failed to win high recognition wherever exhibited. The rich non-fading color, size of flower, the splendid growth and unsurpassed commercial qualities have won it many strong admirers who with pleasure, look forward to its dissemination.

That there will be the greatest demand for this commercial wonder is assured by the large bookings to date and the many orders that were placed before any announcement of its dissemination had been made. If you want something extra select, Laddie is the variety. Deliveries will commence in December, 1917, and orders will be filled in rotation as booked.

CRYSTAL WHITE

Winner of the A. C. S. Gold Medal and numerous other prizes. If you are a Carnation grower you will be interested in seeing Crystal White. The same vigorous constitution as Matchless with large, full flower of the purest glistening white, early and very productive. Can be brought into full crop by November, 1st.

The large number of orders now on file prove the confidence that has already been placed in this splendid new variety.

Price on above—Rooted Cuttings: \$2.50 per dozen, \$16.00 per 100.

Pot Plants: 2½-in., \$3.00 per dozen, \$20.00 per 100.



CARNATION CRYSTAL WHITE



CARNATIONS

Introductions of 1917

Rooted Cuttings: 12c. per plant, \$1.25 per doz., \$8.00 per 100.

Pot Plants: 2½-in., 15c. per plant, \$1.50 per doz., \$12.00 per 100

COTTAGE MAID

A sport of Mrs. C. W. Ward, with the same habit of growth, high quality of flower, fine keeping and shipping qualities as its parent. In color it is light pink, verging on the flesh. It never fades, the color becoming slightly darker in Spring and Fall when the sun is hot. Very popular with the public.

DORIS

The commercial crimson. While not so large as Princess Dagmar, it is wonderfully free and persistent in blooming; coming in early and flowering continuously throughout the entire season. If you need a crimson—try Doris.

NANCY

Lovely light salmon; a shade deeper than Pink Delight. Practically a non-burster and as a producer stands among the highest of the commercial type.

STANDARD VARIETIES

Rooted Cuttings: 60c. per doz., \$4.00 per 100.

Pot Plants: 2½-in., \$1.00 per doz., \$7.50 per 100.

Pink

ALICE. Medium-sized blooms; perfect in form. Color a beautiful shade of clear blush-pink. More productive than Enchantress, with the same freedom of growth, and habit of plant all that can be desired.

ENCHANTRESS SUPREME. A splendid variety that is making good everywhere. Color is a light salmon pink several shades deeper than the original parent, Enchantress, and this variety persists in the bright sunlight without fading. It is better than Enchantress in every way. We cannot too strongly recommend this variety. Calyx is a non-splitter, and the plant is just as productive as the old Enchantress.

GOOD CHEER. Color deep pink, darker than Gloriosa. Stems extra long and stiff. Size 3 to 3½ inches and has good keeping qualities. Growth straight and upright, making well-shaped plants. Early and continuous flowering. As a producer it has exceptional merit; a bench in full crop impresses one with its great productiveness and commercial value.

GORGEOUS. A fancy Carnation in every sense of the word. This variety will make stems 2½ to 3 feet long. Considering its size it is very free. It is a variety that carries everything before it on the show table and has been awarded the A. C. S. Gold Medal.

MRS. C. W. WARD. Deep pink, large, perfectly formed flower with full center. Very popular in all the wholesale markets.

Scarlet

AVIATOR. One of the very finest and freest scarlets ever produced; at its best for the 'Xmas crop. As every flower is perfect, this is a very profitable sort to grow. Color, form and habit are alike, perfect.

BEACON. The standard red. One of the freest Carnations grown and in more demand than any other variety.

CHAMPION (Dorner). The most promising scarlet since the introduction of Beacon. F. Dorner & Sons, to whom we are indebted for this remarkable variety, have given us many of our best varieties and it looks as though their claim for Champion that "it will be a scarlet White Wonder," is well founded.

White

WHITE WONDER. Begins to bloom in September and blooms throughout the season. Snow white and very fragrant. Exceptionally large in size.

WHITE ENCHANTRESS. Of the pure white strain. Splendid variety and satisfactory in all seasons.

MATCHLESS. Well named the Matchless White. Winner of two gold medals at the International Flower Show, New York, 1913. Blooms early and continuously, and should line up as a great commercial variety. It seems to be easy to handle and very free. Flowers extra large and wonderfully fragrant.

Variegated

BENORA. Clear white, penciled bright red. Narrow foliage; very free, vigorous variety.

Crimson

PRINCESS DAGMAR. Largest and finest Carnation ever produced in crimson; a wonderful keeper and one that we can recommend with confidence. Stock is scarce; as Dagmar is not classed as a commercial variety.

Yellow

YELLOW PRINCE. We are often asked for a yellow Carnation and submit Yellow Prince as being the only variety of its color worthy of consideration. This is a splendid, bright, clean yellow, with foliage a rich green and habit of plant vigorous and free from disease.



Cannas

In response to the popular demand, we are listing this year, some thirty varieties of the very finest sorts of Cannas. They are among the most popular and magnificent of the summer blooming plants and seem to do equally well in all sections of the country. Cannas are gross feeders; they need a generous amount of fertilizer and in dry weather should be watered freely. For best effects plants set out in large blocks, say two feet apart, allowing each plant room for individual development, will make a marvelous showing in any planting plan. Varieties are arranged in their colors so customers can make their own selection. Unless otherwise noted all varieties have green foliage.

RED SHADES

DRAGON. A recent novelty; distinct blood-red very effective when planted en masse. Height 4 feet. 30c. per plant, \$3.00 per doz.

EXPRESS. Good, dwarf scarlet-crimson; first-class for bedding effects; height, 2½ feet. 15c. per plant, \$1.50 per doz.

BEACON. Moderate sized flowers of rich cardinal red, very impressive variety; height 4 feet. 25c. per plant, \$2.50 per doz.

FIREBIRD. Sometimes known as "Peerless"; flowers most intense scarlet-cardinal running well over 6 inches, across; with petals standing flat showing the flower to the finest possible advantage; one of the very finest Cannas ever introduced in this color. Height 4 feet. 30c. per plant; \$3.00 per doz.

KING HUMBERT. Beautiful bronze foliage and flowers enormous in size; brilliant orange scarlet, streaked occasionally with crimson, one of the most largely grown of all; height 4 ft. 15c. per plant, \$1.50 per doz.

NEW YORK. Very brilliant scarlet; foliage rich plum-color; one of the most distinct and decorative in the Giant-flowered section. Height 5 feet. 15c. per plant, \$1.50 per doz.

WINTZER'S COLOSSAL. Without doubt the largest flowered variety to date; the average bloom being over 8 inches across, very striking brilliant scarlet that retains its brilliancy; should be in every collection; height 5 feet. 40c. per plant, \$4.00 per doz.

PINK SHADES

MRS. A. F. CONARD. Grandest flesh-pink of the entire list already introduced; most striking and beautiful; height 4 feet. 25c. per plant, \$2.50 per dozen.

CITY OF PORTLAND. Deep salmon-pink; very neat habit, particularly as a bedder when used with other plants; height 3½ feet. 25c. per plant, \$2.50 per doz.

WABASH. Flower carmine-pink with very large bronze foliage; an exquisite color; height 3½ feet. 20c. per plant, \$2.00 per doz.

HUNGARIA. Trusses of enormous size borne well above its bronze foliage; flowers very large with broad petals; color lovely delicate shade of pink; wonderfully free in bloom; height 3½ feet. 20c. per plant, \$2.00 per doz.



CANNAS—Continued

PINK SHADES—Continued

BETSY ROSS. Beautiful rose-pink; valuable on account of its dwarf habit and very popular on account of its sentimental associations; height 3 feet. 15c. per plant, \$1.50 per doz.

ZENITH. Orange-pink shading to salmon; tongues of the flower pure orange rendering it entirely distinct from any other Canna. 15c. per plant, \$1.50 per doz.

WHITE SHADES

SNOW QUEEN. Of medium height and exquisitely beautiful; represents a great advance in its color and will undoubtedly displace all other whites when it is sold at a more popular price. \$2.50 per plant, \$25.00 per doz.

BLANCHE WINTZER. Snowy white; also a wonderful variety in this color; height 3½ feet. \$1.00 per plant, \$10.00 per doz.

MONT BLANC. White with a slightly creamy shading; excellent variety for massing; height 3½ feet. 35c. per plant, \$3.50 per doz.

YELLOW SHADES

YELLOW KING HUMBERT OR QUEEN HELEN. This is a green-leaved beautiful yellow sport of the noble and ever-popular King Humbert;

and will undoubtedly be in yellow what its parent is in red, since the color is the only variation from the original King Humbert. 50c. per plant, \$5.00 per doz.

QUEEN OF HOLLAND. Rich orange-bronze foliage with bright yellow flowers; height 4 feet. 25c. per plant, \$2.50 per doz.

GOLDEN GATE. Ground color is golden-yellow with crimson rays radiating from center; height 4 feet. 25c. per plant, \$2.50 per doz.

WYOMING. One of the tallest varieties, running in specially good soil as high as 7 feet; most majestic in growth and bears great blooms of flowers, deep yellow shading to orange; with purplish-bronze foliage. 20c. per plant, \$2.00 per doz.

CARMINE SHADES

LOVELINESS. Brilliant carmine, blooms on the Gladioflora type; height 3 feet. 25c. per plant, \$2.50 per doz.

MRS. WOODROW WILSON. Lovely light-carmine; resembles Mrs. Conard somewhat but is deeper in color; height 4 feet. 50c. per plant, \$5.00 per dozen.

MRS. G. STROHLEIN. Carmine, shading to amaranth; large brilliant bronzy foliage; height 6 feet. 25c. per plant, \$2.50 per doz.

OLYMPIC. Rich oriental red, center shading to lighter red; individual blooms are very large, making enormous shades of flower; height 5 feet. 25c. per plant, \$2.50 per doz.

FANCY SHADES

PANAMA. This is a very effective variety; color rich, orange-red well defined with bright golden-yellow rim, around the edge of the petals; height 3 feet. 25c. per plant, \$2.50 per doz.

SAM TRELEASE. Intense showy red with Buttercup yellow 'round the edge of each petal; height 3½ feet. 25c. per plant, \$2.50 per doz.

GLADIOFLORA. Crimson shading to carmine rose and gold; exceptional bloomer; height 3½ feet. 25c. per plant, \$2.50 per doz.

GLADIATOR. Large flowers of light yellow speckled with red in center and lower petals of dark red, giving this variety a striking appearance by its contrast; height 4 feet. 20c. per plant, \$2.00 per doz.

JENNIE W. FAHNLIN. Pink and primrose; tips of petals brilliant carmine pink edged gold; height 4½ feet. 15c. per plant, \$1.50 per doz.



CANNA, KING HUMBERT



Phenomenal New Incurved English Cactus Dahlias

This collection of phenomenal Incurved Cactus Dahlias is the very highest and finest type of Cactus Dahlia to date. The flowers are not only of largest size, and exquisite color, but possess the most wonderful and latest type of the Cactus Dahlia, the florets are exceptionally long, very narrow, and so tightly quilled, incurved, twisted and interlaced, as almost to meet at the center. These varieties created a great sensation in England this past season, winning overwhelmingly over all other Dahlias, and holding both amateur and professional in amazement. They captured many gold and silver medals, silver cups, and numerous first-class certificates and awards of merit.

This collection of 14 Phenomenal New Incurved and tightly-quilled English Cactus Dahlias I will ship prepaid to any part of the United States for \$10.00.

DOROTHY HAWES

The originators of this variety claim it to be one of their greatest successes. The flowers are not only large, but of marvelous depth as well. The great number of long florets that incurve and interlace in an irregular yet beautiful manner, make this a splendid specimen of the very latest type of Cactus Dahlia. The color has been described as cerise, and as ruby-red, but clear rosy-purple is perhaps the best description. **\$1.00 each.**

FRANCIS WHITE

Although white Cactus Dahlias are now fairly plentiful, there is room for this addition, owing to its distinct form, the florets curling and twisting cork-screw fashion, as well as being very narrow. **\$1.00 each.**



DAHLIA

GOLDEN EAGLE

Orange, yellow, suffused rose, and fawn. Flowers are produced on long stiff stems in great profusion. Moderately incurved. **75 cents each.**

GIGANTIC

This monster is undoubtedly one of the finest exhibition Cactus Dahlias produced. The blossoms are of enormous size, more massive than wide, and the form perfect. The flower stem is pendant. In color, pure old gold. **\$2.00 each.**

IRRESISTIBLE

A beautiful orange yellow suffused with rose. Flowers moderately incurved and of immense size. This variety can be recommended for exhibition purposes. **\$1.00 each**



JOHANNESBURG

A gigantic moderately incurved Cactus Dahlia of sterling qualities. Blossoms are produced in great profusion upon good stems. The color is a pleasing shade of bright golden amber. **\$1.00 each.**

LACEMAKER

As the name suggests, this is one of the finest and most original of the incurved type. The ends of each petal are very daintily divided, similar to "Lady Fair." The color combination is very attractive; deep velvety carmine-crimson, each petal tipped and shaded white. **\$1.50 each.**

MARGUERITE PHILLIPS

A flower of marvellous beauty, unsurpassed for exhibition purposes. The blossoms are perfectly globular in shape, the pure white florets incurving, twisting, and interlacing, till they resemble an incurved Japanese Chrysanthemum. **\$2.00 each.**

MRS. EDWARD DRUREY

This new creation will prove a thoroughly reliable variety in any situation. Color a delicate shade of purple-crimson. In form the flowers are evenly, but not strikingly incurved. Blossoms of large size, produced very freely, and good throughout the season. **\$2.00 each.**

MISS STEDWICK

An exceptionally beautiful soft yellow at base quickly changing to a lovely tint of deep pink, which again returns to a lighter shade at the tips of the florets. **\$1.00 each.**

RICHARD BOX

A clear light soft shade of yellow. This variety blossoms early and maintains a steady average of fine flowers throughout the season. Moderately incurved. **\$1.00 each.**

SYLVIA

Beautiful deep pink blending to pale lemon at the center. Petals long and slightly incurved. **\$1.50 each.**

THE QUAKER

The loveliest color we have seen in Dahlias. The white center imperceptibly becoming tinged with delicate flesh pink, so dainty in coloring as almost to give an impression of artificiality. The plants are of medium height, producing an abundance of flowers upon strong, wiry stems. **\$1.00 each.**

W. E. PETERS

A gigantic exhibition variety of clear crimson-scarlet. There are a great number of very narrow florets, all of which are so perfectly incurved as completely to meet in the center; as the flower fully develops. **\$2.00 each.**



MIGNON DAHLIAS

Dwarf Bedders

These are all single varieties and are produced in distinct colors. The whole of the plants are only about 18 inches in height, and they need to be seen to be appreciated for their extreme value as bedders, or for edgings to beds, borders, or shrubberies. The plants are of a compact close habit, and they produce a dense mass of flowers of the most brilliant colors.

Price: Green Plants in Spring; 30c. plant, \$3.00 per doz., \$20.00 per 100

AGNES

Purple, very distinct.

ALBION

Pure white, very fine.

DAFFODIL

Splendid rich-yellow.

DAPHNE

Deep maroon of good habit.

DAZZLER

Bright, orange-scarlet.

ETNA

Crimson scarlet, magnificent variety.

JUBILEE

Bright pink, very bushy and pretty.

NIVEUS

Pure white, bushy habit.

OLIVE

Brilliant orange, bushy and free.

VIVID

Scarlet crimson, exceptional variety.

One each of the above varieties for \$2.50



DAHLIA, COUNTESS OF LONSDALE

Selected Named Varieties

25c. each, \$2.50 per doz.

AMERICAN BEAUTY

The color of this new acquisition is a gorgeous wine-crimson. The blossoms are of colossal size, and produced on long heavy stems.

COUNTESS OF LONSDALE

A remarkably free-flowering Cactus Dahlia of a beautiful deep salmon-red shade.

GLORY OF BAARN (New)

The prominent feature of this variety is its fragrance; which is so different and pleasing that one cannot believe it a Dahlia. Instead of the ordinary disagreeable Dahlia odor, it has a very pleasing and agreeable fragrance. The coloring is exquisite,

being a delightful clear soft pink; a most pleasing flower whose light rosy tint forms a perfect contrast with the deep green foliage. The blossoms are semi-double, and of large size; the beautiful golden yellow center lending an additional charm to this acquisition.

J. H. JACKSON

Gigantic chrysanthemum-like flowers of gorgeous velvety blackish-maroon. The finest black Cactus Dahlia.

MME. VAN DEN DAELE

Flowers large, of extra fine form, and produced upon exceptionally good stems, well above the foliage. As a cut-flower variety it is unsurpassed. White, deeply edged live silvery-pink, a blending of colors that is rare among Dahlias.

DAHLIAS—Continued

MINOS

The color is intense velvety maroon, almost black. Blossoms are produced on stems from 15 to 25 inches in length, well above the foliage. An ideal Dahlia in every way.

PRIMROSE DAME

Exquisitely quilled flowers of a lovely primrose-yellow shade. Free-flowering.

QUEEN WILHELMINA

An immense fluffy flower, of pure glistening waxy white, showing its beautiful golden yellow center very prominently. One of the finest new Peonyflowered Dahlias.

SOUVENIR DE GUSTAVE DOAZON

The largest Dahlia in existence, often measuring nine inches in diameter, and can be forced to measure over 12 inches. The plant is very tall, vigorous grower, with heavy, dark, green foliage, and a remarkable constitution. In color, a pleasing shade of orange-red. This Dahlia should be in every garden.



MME. VAN DEN DAELE (See page 49)



QUEEN WILHELMINA

STORM KING

The most reliable pure white quilled Dahlia to-date. Flowers produced on good stems, well above the foliage.

STRADELLA

Beautiful deep purple-crimson flowers, produced exceptionally freely. Petals quill way back to the stem, making a perfectly spherical flower.

W. B. CHILDS

A beautiful deep purple Hybrid Cactus Dahlia.

SPECIAL OFFER

One each of the above twelve different varieties for \$2.75, prepaid to any part of the United States

MIXED DAHLIAS

An assortment, including all colors, and all types known, many very beautiful and new varieties that have become mixed through carelessness are among this mixture. 15c per plant, \$1.50 per doz., prepaid. \$1.00 per doz. at purchaser's expense, by express.

Novelties in Hardy Shrubs and Bulbs

While some of the following Shrubs cannot be classed as Novelties, still, outside of the Buddleias, they are comparatively unknown and are well worthy of a place in the garden of every flower lover.

AZALEA KAEMPFERI

(Rhododendron Kaempferi)

This charming Japanese shrub is wonderfully floriferous, absolutely hardy and should be in every collection. The colors range from orange-scarlet to salmon-red. They are sold in mixture, not in separate colors, as they have not yet been separated.

	Each	Doz.
12 to 18 in.....	\$1.25	\$14.00
18 to 24 in.....	2.50	27.50
24 to 30 in.....	3.50	38.00

BUDDLEIA ASIATICA

This Buddleia differs from Variabilis and others of its type, in that it is not hardy and requires protection. It begins to bloom in December and continues to do so throughout the Winter season, if the plants are kept growing in a warm house; it produces long spikes of the most beautiful white flowers which have a delightful lilac fragrance. \$1.25 per doz., \$10.00 per 100.

BUDDLEIA FARQUHARII

(Greenhouse Shrub)

This new Winter flowering Lilac was raised in the nurseries of R. & J. Farquhar & Co., Boston, and is the first authentic hybrid in the genus. The flowers are pale pink, delightfully fragrant and are borne in long cylindrical tail-like clusters. It is of easy culture, flowers during December and January and is valuable for conservatory and house decoration and as cut flower. 2½ in. pots, \$1.00 each, \$10.00 per doz., \$75.00 per 100.

BUDDLEIA VARIABILIS VEITCHIANA

Beautiful violet mauve; a splendid Summer-flowering shrub absolutely hardy under any condition; flowers are borne on long, cylindrical spikes, 12 to 15 inches in length; flowers the first season it is planted; a beautiful plant. 15c. per plant, \$1.25 per doz., \$10.00 per 100.

BUDDLEIA VARIABILIS MAGNIFICA

Similar to the above, only difference being the flower is a deeper color, shading toward Rose. 15c. per plant, \$1.25 per doz., \$10.00 per 100.

BERBERIS BREVIPANICULATA

A bush 4 to 6 feet tall with small, wedge shaped leaves, clustered together and assuming fine tints in Autumn. The small yellow flowers are freely produced on erect panicles 3 to 5 in. long. These are followed by masses of salmon-red fruits in early Autumn. The foliage is retained very late. Its several fine qualities make this new Barberry one of the handsomest and most distinct of its class. 2-2½ feet, field grown. 50c. each, \$5.00 per doz.

CYTISUS PRAECOX

A hybrid Broom with sulphur-yellow flowers produced in great abundance in May. Habit similar to the well-known C. Albus. 2½ in. pots. 50c. each, \$5.00 per doz.

CLEMATIS TANGUTICA

A fine Chinese variety of free and rapid growth; bright green dense foliage. A good climber and one of the best ground-covering and trellis plants. Flowers bright yellow, June-July. 3-inch pots. 30c. each, \$3.00 per doz.



AZALEA KAEMPFERI



BUDDLEIA FARQUHARII (See page 51)

NOVELTIES IN HARDY SHRUBS AND BULBS—
Continued

EXOCHORDA GIRALDI WILSONI

This new Pearl Bush is the handsomest of the family. It forms a large bush or small tree and in Spring is covered with racemes of pure white flowers which are larger than those of the well-known type. This new plant is absolutely hardy and is one of the most notable acquisitions from China in recent years. 2-3 ft., field grown. \$1.00 each, \$10.00 per doz.

EUONYMUS KEWENSIS

A splendid trailing Evergreen plant, useful for the rock garden or for carpeting the ground. The small oval foliage is dark green in color with lighter veins, a very pretty variety. 2¼ in. pots. 30c. each, \$3.00.

EUONYMUS RADICANS SILVER GEM

The best variegated form of Euonymus Radicans we have ever seen. It has been found perfectly hardy in Massachusetts. 3½ in. pots. 50c. each, \$5.00 per doz.

HYDRANGEA PETIOLARIS

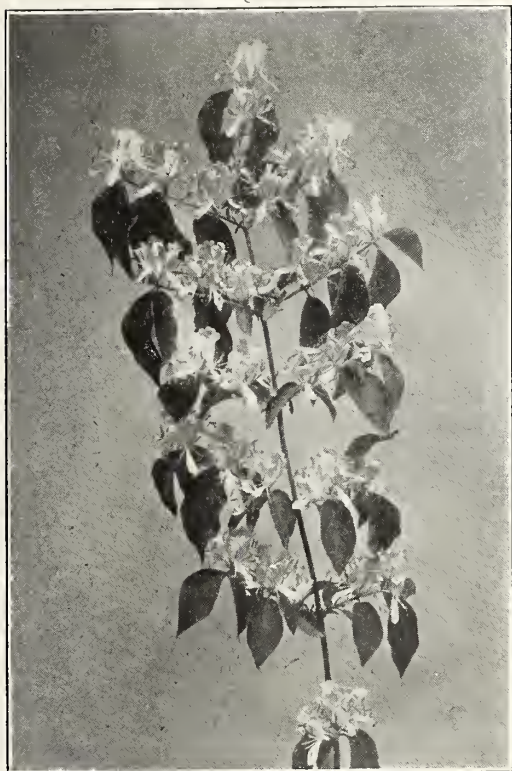
This splendid hardy climber, hitherto has been but little known, although it was introduced from Japan a generation ago. Once established, it climbs rapidly, clinging by rootlets like English Ivy. The foliage is bright green, quite massive, and numerous flat flower cymes are produced which average 8 to 10 inches in diameter. The flowers are white, opening in early Summer. 5 in. pots. 75c. each, \$8.00 per doz. \$65.00 per 100.

LONICERA MAACKII VAR. PODOCARPA

One of the very finest of all Bush Honeysuckles. It grows 6 to 8 feet tall and is much more in diameter. The leaves are relatively large, broadly ovate and the large white flowers borne in axillary clusters stand well above the leaves. In Autumn the plant is covered with scarlet fruit. This shrub is absolutely hardy. 4 in. pots. \$1.00 each, \$10.00 per doz.



EXOCHORDA GIRALDI WILSONI



LONICERA MAACKII (See page 52)

NOVELTIES IN HARDY SHRUBS AND BULBS—
Continued

LONICERA MUENDENIENSIS

A large shrub with rather small dark green leaves. White flowers in May or June changing to yellowish white, sometimes slightly pinkish. Usually abundant dark red fruit in July or August. It is a hybrid of *Morrowii*, *Tatarica* and *Ruprechtiana* originating in a botanic garden at Munden, Germany. 3-4 feet, field grown, \$1.00 each, \$10.00 per doz.

LILIUM REGALE

Myriophyllum

The Regale Lily. Mr. E. H. Wilson, the famous plant collector, collected in North Western China, the bulbs now offered. He considers this the finest of all Lilies. It is absolutely hardy. The flowers are white slightly suffused with pink, with a beautiful shade of canary yellow at the center, extending part way up the trumpet. It is delightfully perfumed, reminding one of the Jasmine, and lacking the heavy oppressive odor of most Lilies. Blooms out of doors early in July. \$1.00 each, \$10.00 per doz., \$80.00 per 100.



LILIUM REGALE

LILIUM HENRYI

(The Yellow Speciosum)

A beautiful, hardy Lily from Northern China. The plants are of vigorous growth, frequently attaining a height of 6 feet, each stem carrying from twenty to twenty-five flowers of rich, apricot yellow, spotted with brown. Extra large bulbs. 50c.-75c. each, \$5.00- \$7.50 per doz.

LILIUM DAVURICUM

This beautiful Lily comes from the home of *L. Tenuifolium* in Siberia. It resembles a native *Philadelphicum*. It is of easy culture, grows two to three feet high, and blooms in umbels of three to five upright flowers.

Orange, red and yellow colors mixed, \$1.25 per doz., \$8.00 per 100. Pure Yellow Species \$1.50 per doz., \$10.00 per 100.

LILIUM HANSONI

Under favorable conditions attains a height of three to four feet. Flowers, reddish orange, eight to twelve in a cluster; petals thick and durable; a native of Japan and has always been high in price, but we have a stock of strong home-grown bulbs that will give splendid satisfaction. 50c. each, \$5.00 per doz., \$35.00 per 100.

LILIUM TENUIFOLIUM

TENUIFOLIUM. The lovely Coral Lily of Siberia. A great beauty. The brightest of all Lilies. Grows twenty inches high with finely cut foliage, slender stems and beautiful shaded flowers of a brilliant coral-red. Blooms very early. \$1.50 per doz.; \$10.00 per 100, \$90.00 per 1000.



NEW FRENCH HYDRANGEA

"GLOIRE DE BOISSY" (Nonin)

We were the first to introduce the new French Hydrangeas to the notice of the American cultivator some six years ago, which was the time Mad. Mouilliere, Bouquet Rose, etc., first came out. We now have pleasure in introducing this new Hydrangea, Gloire de Boissy, which Mr. Nonin says is "head and shoulders" above any of the wonderful types that have preceded it. It is a splendid plant for the trade; ideal in growth and habit, and is particularly adapted for forcing for Easter. Mr. Nonin says of it: "The color is somewhat the same as that of Lily Mouilliere, but is a deeper, brilliant pink with a lighter eye. The blooms are very solid and keep for weeks in good condition. The introducer is willing to stake his reputation that this is by far the best new French Hydrangea ever presented to the trade."

Young Dormant Stock. January Delivery

Price: \$1.00 per plant, \$10.00 per doz., \$75.00 per 100.



Delphiniums, or Perennial Larkspurs

Hardy Herbaceous

Price: \$1.00 per clump, \$10.00 per doz., except where noted.

The present day Hybrid Delphiniums give a wonderful range of color, running from pure White to Royal Purple, through the most marvellous shades of Azure, Gentian Blue and Sapphire. Many of the newer varieties have a large distinct center, shaped like a bee, which is always of a different shade of color than the surrounding petals and furnishes a gorgeous contrast. Many of the light blue have a deep black center or bee. In some of the others the bee is a brilliant Rose-color, against a dark-blue ground.

For the benefit of those who insist on having certain special colors and types for exhibiting at the Summer Shows, we import the named varieties from Europe, but we have developed a strain of our own here in America which, owing to their increased vigor and constitution are far superior and more satisfactory to the average buyer than the very best named sorts.

We have made a specialty of Delphiniums now for some years as we realize their utility and feel there is a place in every garden in the country for these sterling plants.



DELPHINIUM

DELPHINIUMS, OR PERENNIAL LARKSPURS—
HARDY HERBACEOUS—*Continued*

The following varieties are offered in dormant clumps for early Spring delivery:

ANDREW CARNEGIE. Enormous double flowers; soft lilac with blue center.

AMOS PERRY. Lovely variety, semi-double; $2\frac{1}{2}$ inches across. Color, rosy-mauve flushed sky-blue on outer petals; very dark conspicuous eye.

BELLADONNA GRANDIFLORA. Lovely sky-blue flowers; marvelous variety in its color.

CAPRI. The most beautiful novelty of the Belladonna section. This is considered the best single sky-blue Delphinium yet offered. The habit is branching, similar to Persimmon, and the flowers extend over a long period.

CORRY. Sky-blue shading to red on outer petals; fine double variety.

CHINENSE. Very dwarf; specially fine foliage and intensely blue flowers.

EMILY. Color rich blue, shaded rose. One of the most attractive varieties ever offered.

FRANCIS F. FOX. Fine, dark blue, with specially large flowers; very vigorous habit. Height 6 feet.

FORMOSUM. Splendid dark blue, with white center. This is a very fine species and one of the very few that comes absolutely true from seed.

KING OF DELPHINIUMS. Quite distinct among the newer types of Delphiniums; under favorable conditions they will run as high as 8 feet; flowers, of gigantic size; color rich gentian blue, with striking white center.

LAMARTINE. One of the best in cultivation, both in habit and color, the latter being a deep sky blue, with pure white center.

MOERHEIMI. The first pure white Delphinium. Habit exactly the same as Capri; color pure white, without any other shading. The long, handsome sprays are borne in profusion over a long period of growth, making it invaluable for cutting.

J. W. KELWAY. Dark blue, shading toward purple, with a large, striking white eye.

LESLIE. Splendid azure blue, the individual flowers of which are more than 2 inches across. A majestic grower that always demands attention.

LIZE. Single flower; light blue flowers of good size and substance.

MR. J. S. BRUNTON. Sapphire blue; Bella. Type, very continuous in bloom.

MRS. CREIGHTON. Charming variety for massing in clumps; deep Oxford blue, with a bright brown center.

QUEEN WILHELMINA. Large-flowering, sky-blue, variety delicately veined with lilac, with a beautiful, white eye. This variety must be classed as one of the finest.

REV. E. LASCELLES. Very strong grower, 6 feet or more in height; color distinct blue, with white center. Most stately and impressive border plant.

Delphinium Seedlings

TOTTY'S SPECIAL HYBRIDS

As the result of years devoted to their culture, we can offer for Spring planting Seedling clumps of the very finest named Types, and challenge comparison with any other house in the country with our seedling Delphiniums. Were they grown in Europe, many of them would be named and sold at a high price. Dozens of letters were received by us the past year complimenting us on our superior Seedling Delphiniums and many of them stated that though the writers had been growing Delphiniums for years, they had never received plants that gave so much satisfaction and pleasure as our Seedlings.

Price: 50c. per plant, \$5.00 per doz., \$35.00 per 100, for year-old clumps.

DELPHINIUM SEEDLINGS

We offer for delivery April 1st, a collection of seedlings raised from the finest varieties in the world. The individual types are kept separate, and while Delphiniums cannot be depended on to come true from seed, a large proportion will be as good as the parent and many will show a decided improvement. Seedlings are invariably stronger in growth than the original named varieties; the constitution of the latter being very often impaired by excessive propagation.

**Price: 30c. each, \$3.00 per doz.,
\$20.00 per 100; 3-in. pot plants**

DELPHINIUM SEED

We offer seeds of our very finest Hybrid types which can absolutely be depended on to produce results and give the buyer varieties fully equal to the best named sorts. Seeds sown in a cool greenhouse in January will begin to flower the end of July, after the two-year-old clumps are past their best. Sown as late as March 15th, these seeds will still produce satisfactory flowers the first year.

**Price: 25c. and 50c. per pkt.,
\$5.00 per oz.**





ROSES FOR OUTDOOR PLANTING

The fashion of garden Roses has changed very much the past few years, Rose buyers having discovered that the Hybrid Perpetual Roses, while they give a wonderful wealth of Roses in June, are of no use for the balance of the year. The demand today is for varieties that will furnish cut flowers from May to November; the only type of Roses that will do this are the Teas and Hybrid Teas.

We have been appointed the sole American Agent for Hugh Dickson, Ltd., of Belfast, Ireland, for the dissemination of their marvellous Rose Novelties, and this puts us in a position to supply any quantity and practically any variety desired.

The best Roses in the world today are grown in Ireland. This is an undisputed fact, and we are in a position to supply these Rose novelties at the same price as the introducer, saving the American growers the cost of packing, ocean freight and custom charges. Stock is billed F. O. B. Madison, N. J.

The cultivation of Hybrid Tea Roses is as follows:

THE SOIL. The soil which best suits the Rose is a deep, unctuous loam, with free drainage, as Roses do not thrive where there is stagnant moisture. If these conditions are not to be had naturally, they must, as far as possible, be provided. In the first place, if drainage is bad, the soil must be thrown out to a depth of 18 inches, and, if it is not convenient to use tiles, about 5 or 6 inches of broken bricks or other rough material should be thrown in the bottom, and a layer of turf laid on top, grassy side down. On the top of the turf should be placed a layer of well-decayed farmyard manure, then a light layer of soil, and another layer of manure, on top of which should be placed the remainder of the soil, to which, if light and sandy, should be added a liberal supply of well-chopped-up turf, raising the whole of the bed to a height of about 12 inches above the original level of the soil. In case of heavy land, a layer of lime rubble should be added, as this will help to sweeten the soil.

PLANTING should be deferred until the soil is in proper condition to receive the plants, as it is a great mistake to plant in wet soil. Teas and Hybrid Teas should be planted about 18 inches apart and the Hybrid Perpetuals 2 feet apart, keeping all manure away from direct contact with the roots when planting. Firm the soil well around the plants and give a thorough watering.

PRUNING. All the short, prematurely ripened wood and all small shoots should be cut clean away, leaving just the strongest shoots, from 4 to 6 inches long. Pruning should be done immediately after the plants are set out, if it has not been previously done.

This close pruning does not apply to the Hardy Climbers or Ramblers; these should be shortened back if they have grown beyond their allotted space, and thin out the very small shoots.

PROTECTION. Before the ground freezes solid the soil should be pulled up around the base of the plants, 7 or 8 inches, and the surface of the bed afterward well covered with dried leaves or cornstalks. When so protected, even the most tender varieties of Hybrid Tea Roses are entirely hardy as far north as Winnipeg.

Hugh Dickson's Novelties for 1918

The following five varieties are the 1918 Introductions of Hugh Dickson, Ltd., of Belfast, Ireland, whom we have the honor to represent in America. As Garden Roses, we are sure they will be found welcome additions to his previous introductions in this line. The following are the introducer's descriptions:

Strong plants from 4-in. pots, ready for distribution in May, 1918.

Orders will be filled in strict rotation.

\$2.50 per plant. \$25.00 per dozen.

MARCHIONESS OF ORMONDE, H. T.

Vigorous, upright, free branching growth and clean, deep green foliage. Flowers of great size, very full and fine form with high pointed center, an ideal Exhibition Rose of

fine massive appearance, producing its flowers freely and continuously right throughout the season. Color blush white on the outer petals with centre a lovely delicate pink. This is a very distinct and striking Rose with good habit and foliage and throws its flowers well above the foliage. It will take a leading place in all gardens.

T. F. CROZIER, H. T.

Strong, vigorous, upright branching growth, foliage deep olive green, large, clean and handsome, mildew proof. Flowers large, full and globular with high centre, freely and continuously produced right throughout the season, color clear canary yellow, changing to a paler shade as the flower develops. A Rose of great beauty and refinement, producing flowers of full exhibition size and always fine form, and one of the most valuable garden Roses of recent years, as the growth is strikingly handsome and the flowers which are thrown well above the foliage open freely in all weathers.



T. F. CROZIER

H. P. PINKERTON, H. T.

Free, strong, branching growth and handsome, very dark green foliage, which is free from mildew. Buds long and pointed, opening to large, full and exquisitely formed flowers of intense brilliant scarlet, heavily flamed velvety crimson. The intense brilliance of the color and the freedom and continuity of its flowering, make this one of the best of all bedding crimson scarlet Roses. Its habit is ideal, it is very hardy and conspicuously clean in growth, one of the most useful garden Roses which we have sent out, frequently large enough for exhibition.

BLUSHING, BRIDE, H. T.

Vigorous, free, branching growth, making a uniform plant of about two feet, with clean light green foliage, which is free from mildew. The flowers which are very large and full are beautifully formed with high pointed centre, perfectly imbricated with the edges of the petals nicely reflexed. A flower of great refinement and beauty. Color clear white with faint blush flush over the centre. This will prove one of the most popular bedding Roses of finer habit and moderate height, and as such will supersede all of the Druschki type which, owing to their tall straggling habit, can only be used in comparatively large beds.

ULSTER VOLUNTEER, H. T. (Single)

Very strong, free and branching growth making a large and vigorous bush. Flowers very large, five to eight inches across, perfectly single and of very striking appearance. Color brilliant cherry red with distinct zone of clear white at the base of the petals; anthers abundant and very prominent. This is a great acquisition to this type of bedding singles, as it is of very free growth and flowers in endless profusion, a bed in full flower being a very striking sight and it flowers continuously right throughout the season.



GOLDEN EMBLEM

GOLDEN EMBLEM

(S. McGredy & Sons)

To our mind the most distinct Rose in the Philadelphia Exhibition last year was the flowers of this beautiful Novelty. It is thus described by its raiser: A great improvement on Rayon d'Or, the color being deeper and richer, with larger and more perfect blooms. It is so perpetual blooming that as a Garden and Bedding Rose, it is without a rival. At its best it surpasses Maréchal Niel, in shape and formation and with its wonderful coloring will be a telling Exhibition flower. The habit of growth is ideal; free and branching with a splendid constitution holding every bloom rigidly upright. It has glossy, holly-like green foliage of wonderful substance and beauty; mildew proof and delightfully sweet-scented. Altogether the most striking as well as the most remarkable variety among modern Roses. Gold Medal N. R. S.

Price: Spring Delivery, 4-in. pot plants, \$2.50 per plant, \$25.00 per doz.



LILLIAN MOORE

LILLIAN MOORE

The Thousand Dollar Trophy Rose

The Rose of the Panama-Pacific Exposition.

Lillian Moore is a garden gem with flowers of exquisite form and delightful fragrance. It is deep, pure Indian yellow in color, with slightly deeper center. The flowers are large and very full, of perfect Camellia shape, carried on stiff, erect stems, with handsome, deep olive green foliage. The buds are very long and pointed, opening freely in all weathers, and lasting a long time in good condition. The habit of the plant is all that can be desired—free, vigorous and branching, making a strong bush, about 2½ feet in height. It is thoroughly perpetual in habit; from early Spring until late Fall produces in abundance a wealth of blooms of glowing color and perfect shape. A superb Rose for every purpose.

\$1.50 each, \$15.00 per doz. Young plants can also be supplied, Spring delivery, in 4-in. pots, 75c. each, \$7.50 per doz.



GORGEOUS (See page 63)

Roses

(NEWER INTRODUCTIONS)

Dormant 2 year old plants up to April 1st

Price: \$1.00 per plant, \$10.00 per doz., except where noted

COUNTESS CLANWILLIAM

Strong, vigorous, upright wood, producing its flowers in endless abundance. Flowers very large and full, buds long and pointed, opening to large, full, high-centered flowers of great beauty and refinement. Color delicate peach pink at the base of petals, which are flamed.

CLEVELAND

This is the Rose named by popular ballot at the great Cleveland Flower Show. Vigorous, stout-branching growth, with large and very handsome foliage, which is mildew proof. Flowers large and full, of exquisite form, produced freely and continuously throughout the season. Color deep, coppery yellow at the base of the petals, which are heavily flushed reddish copper on old rose, the petals showing a very distinct and charming metallic sheen. A distinct and very beautiful combination.



HOOSIER BEAUTY (See page 64)

CHEERFUL

Orange flame in color, flower large and full, beautiful form. Blooms profusely the entire season.

ETHEL DICKSON

Strong, upright, vigorous, branching growth, producing its large, full and beautifully formed flowers in endless profusion. Flowers large and very full, with high pointed center. The flower resembles Mad. Abel Chatenay in type, but in bloom, habit and inflorescence may be clearly stated to be a great advance on that well-known Rose. As a bedder it is superb, its growth being vigorous and very upright. Color deep salmon rose with silvery flesh.

GORGEOUS

Claimed by Messrs. Dickson to be the most striking Rose in existence, and the finest variety they have ever distributed to the trade. Growth is strong and vigorous, with a free branching habit; handsome, dark, olive green foliage; flowers large and exquisitely formed; produced on long, rigid stems; of perfect habit and florescence, and classed as an exhibition Rose of the highest class. Delightfully fragrant. On first opening, the bud is heavily veined with clear yellow on a salmon ground, but when fully developed, the flower is an improved Juliet. As its name signifies, it is a "gorgeous" variety.

ROSES—Continued

H. D. M. BARTON

Strong, vigorous, upright and freely branching growth, handsome, dark green, leathery foliage, wood and spine reddish, flowers moderately large and very full, with long, pointed and beautifully formed buds, produced with extraordinary freedom right throughout the season. Color deep, rich, velvety crimson, which does not blue with age. A garden and bedding Rose of the type of General MacArthur, but far surpassing that grand bedder in the richness of its color and the more freely branching and dwarfer habit of growth. Gold Medal, Irish Rose and Floral Society.

HOOSIER BEAUTY

A rich, velvety crimson in color with deeper shadings. It is as fragrant as Richmond, has more petals and better keeping qualities. In production of bloom it ranks with any forcing variety. It naturally throws 2 and 3 foot stems; never has a dormant period, starting new growth very quickly at any time of the year. The glowing color, sweet scent, well-shaped buds, large, full flower, long keeping qualities, clean, healthy habit and freedom in growth and production of bloom have been declared wonderful.

MME. JULES BOUCHE

Lemon white, center shaded light Rose; large well-formed Rose; very good.

LOS ANGELES

Growth, very vigorous; flowers luminous flame-pink toned with coral, with lighter shadings at the base; buds are long and pointed and expanding to a flower of mammoth proportions; very fine form. Vigorous foliage. Price: \$1.50 each; \$15.00 per doz. Young plants can be supplied in Spring from 4-in. pot; 75c. each; 7.50 per doz.

MRS. MONA HUNTING

A garden decorative Rose of great charm and beauty; growth free and branching, producing its flowers in endless profusion. Flowers medium sized and very full, buds long and pointed, color deep chamois yellow, opening to pure fawn; a very distinct and novel coloring. A most charming novelty.

NELLIE PARKER

Strong, vigorous, upright-branching growth, large, handsome foliage, flowers large, very full and of most perfect form, freely and abundantly produced. Color pale, creamy white, with deeper cream center, frequently charmingly flushed with blush at the tips of the petals. A Rose of superlative merit and in our opinion one of the very best Roses which we have put in commerce.

MAD. COLLETTE MARTINETTE

Deep golden yellow; this variety resembles the deepest shades of Sunburst and does not bleach. Mad. Collette Martinette is well worthy of a place in the rapidly increasing family of yellow Roses.

PRIMROSE

When first opening reminds one of Ophelia, but the individual flowers have more substance and considerably more color, being a deeper shade of pinkish yellow. The buds are long and beautifully pointed; foliage tough and leathery. Very free, clean grower, and by its behaviour with us seems to be mildew and spot proof. Price: \$1.50 each; 15.00 per doz. Young plants can be supplied in Spring from 4-in. pot; 75c. each; \$7.50 per doz.



MADAM EDOUARD HERRIOT (See page 66)

Hybrid Tea Roses

The strong infusion of Tea blood into the old perpetuals has, by judicious hybridization, produced in the last decade an entirely new race of Roses. No words of praise can adequately convey the extreme beauty and unique usefulness of this glorious section which now dominates all other sections of bedding Roses. The superb vigor, the healthy and abundant growth and foliage, the profusion of bloom, the exquisite coloring and beautiful formation of the flowers and buds of this new race, at once place it without a rival in the Rose garden.

We were awarded the Gold Medal for Outdoor Roses at the Panama Exposition, 1915.

As agent for Hugh Dickson, Ltd., we are able to supply you with the best Roses in the world; all we ask is that you give us a chance to do this by placing your order on or before March 15th, so we may be sure of getting our importations over. If this is done, we can guarantee our Rose stock to give every satisfaction to the buyer.

Price: Strong, two-year old, budded, imported, dormant stock, 60c. per plant, \$6.00 per doz., \$40.00 per 100.

BESSIE BROWN. Creamy white; large and very full.

BETTY. Coppery yellow, overspread with golden rose; long, pointed buds.

CAROLINE TESTOUT. Salmon pink, large and very free; one of the very finest Roses ever produced for any purpose.

COUNTESS OF SHAFTESBURY. Bright silvery carmine, mottled and flushed silvery pink; large and full; flowers profusely from June to October. Very refined flower.

DEAN HOLE. Light carmine, shaded rose and flushed old gold at base of petals; long pointed flower; very free.

DUCHESS OF WELLINGTON. Intense saffron yellow; stained crimson; long pointed, full flowers.

DUCHESS OF WESTMINSTER. Clear madder rose, full, well formed flowers; very novel flower.

EDWARD MAWLEY. Deep, rich, purplish crimson; large full and well-formed flowers, most handsome appearance; freely and continuously produced.

GENERAL MACARTHUR. Deep velvety scarlet; free and erect branching.

GEORGE C. WAUD. Glowing orange vermillion; large, full flowers.

GEORGE DICKSON. Velvety black crimson, reverse of petals veined deep maroon; invaluable for exhibition.

GRUSS AN TEPLITZ. Brightest scarlet crimson; splendid Rose for massing.

GUSTAV GRUNEWALD. Bright carmine pink yellow at base of petals.

HARRY KIRK. Deep sulphur yellow; medium sized blooms.

JOSEPH HILL. Deep saffron yellow; outside of petals copper; large full deep flower of splendid form; immensely free and very constant.

J. B. CLARK. Intense deep scarlet, shaded blackish crimson; immense petals.

JONKHEER J. L. MOCK. Cherry red, inside of petals silvery white; high pointed center.

KAISERIN AUGUSTA VICTORIA. Creamy white; immense substance; petals smooth and nicely arranged.

KILLARNEY. Pale flesh pink, flushed deeper pink; very free and perpetual.

KILLARNEY BRILLIANT. A sport from the original Killarney, which is one of the most popular Roses in cultivation today. Killarney Brilliant is a duplicate of the original Killarney in all respects save color, which is far more intense and rich. This is a magnificent Rose, and will eventually displace the original Killarney.

HYBRID TEA ROSES—Continued

KING GEORGE 5TH. Strong, vigorous grower, and retains its foliage long after other varieties have shed their leaves; color deep blackish crimson with a deeper velvety flush; free flowering and delights in warm weather.

LADY ALICE STANLEY. The outside petals are a deep rose-pink; inside pale flesh slightly flushed with a deeper shading, a most beautiful color combination. Blooms are very large and full, of great substance and productiveness, and one of the most fragrant Roses in existence.

LADY PIRRIE. Outside of petals, deep coppery reddish-salmon, inside of petals flushed fawn on copper; large, full, long-pointed flowers, opening freely, and flowering in immense profusion.

LA FRANCE. Bright satin pink with silvery reflex; large, full flowers; very free and a fine old garden Rose.

LADY ASHTOWN. Rosy pink, changing to pale pink; high pointed center; a splendid flower.

LADY BATTERSEA. Deep cherry red; long pointed flower.

LADY HILLINGDON. Deep orange yellow; medium size; splendid for cutting.

LOUISE CATHERINE BRESLAU. Coral red, shaded chrome yellow opening to a large full flower of shrimp pink; shaded coppery orange.

LATOSCA. Soft pink, tinted rosy white.

LIEUTENANT CHAURE. Clear crimson lake; long pointed flower of good habit.

LYON ROSE. Shrimp pink, shading to intense coral red; very large and full flowers.

MADAME ABEL CHATENAY. Carmine rose, shaded salmon; large, full flowers, opening freely.

MADAM EDOUARD HERRIOT. SYN. DAILY MAIL ROSE. Color of this Rose is a gorgeous combination of reddish terra-cotta and bronze, with

flame shadings; almost impossible to describe; foliage bright and glossy and practically mildew-proof. Artists have raved over this variety for the past two seasons in Europe. A marvelous Rose as grown in California.

MADAME MELAINE SOUPERT. Saffron yellow, suffused pink and carmine; reverse of petals flame color.

MRS. JAMES LYNAS. Strong, vigorous, upright, branching growth. Flowers very large, full and beautifully formed, producing freely and continuously throughout the season. Color pearly pink at base of petals, flushed delicate rosy pink at the edges and on the reverse of the petals. One of the most valuable garden Roses and an exhibition Rose *par excellence*. Gold Medal, N. R. S.

MADAME SECOND WEBER. Pure, light rosy salmon; vivid center.

MRS. AARON WARD. Deep Indian yellow; medium sized blooms; very full; fine garden and bedding Rose.

MRS. CHAS. RUSSELL. Rosy carmine, with rosy-scarlet center; fine exhibition, garden and forcing Rose.

MRS. CORNWALLIS WEST. Rosy shell pink, shading to pure white with age; very free, full flowers.

MRS. GEORGE SHAWYER. Bright clear rose; high pointed center.

MRS. SAM ROSS. Shading from light straw yellow to deep chamois yellow; large and beautifully formed flower.

MY MARYLAND. Bright pink, that has been grown for many years; is one of the most popular garden varieties, since it always gives satisfaction.

OPHELIA. Salmon-pink shaded rose and yellow in the petal; since it was introduced a few years has been growing steadily in public favor, until now it is one of the most sought after, Hardy Roses.

PHARISAER. Rosy white, shaded salmon; a handsome variety in all respects, and an ideal bedder.

PRINCE DE BULGARIE. Silvery flesh, delicately shaded salmon and coppery yellow.

RADIANCE. Bright pink, full flowers, freely produced.

RICHMOND. Pure scarlet red; fine form and fragrance.

RED RADIANCE. A duplicate of its parent in every respect save color, which is a brilliant red; very free-flowering in habit and vigorous in growth. A wonderful variety in every way.

SUNBURST. Deep cadmium yellow, with orange center; large, beautiful flowers; very free flowering.

SEPTEMBER MORN. A light pink sport of Prima Donna, developed on the Pacific Coast. Has a splendid, free growth, running 2 to 3 feet without pinching, and shows every sign of being a phenomenal Rose. The bud is rather short and the outer petals are fimbriated, giving the flower a novel appearance. September Morn has considerably more petals than the average forcing Rose and it is, without exception, the most sweetly scented of any Rose so far placed on the market.

WHITE KILLARNEY. Pure milk white; very free and good.

WILLIAM SHEAN. Pure pink, delicately veined ochre; large, full flower.

WHITE MAMAN COCHET. Pure white and a splendid variety in every way.



MRS. JAS. LYNAS



RAYON D'OR

Hybrid Perpetual Roses

The Well-Known June Roses

Price: 60c. per plant, \$6.00 per doz., \$40.00 per 100, except where otherwise noted.

ALFRED COLOMB. Bright red; very large and globular; free blooming and reliable.

ALFRED K. WILLIAMS. Carmine red; large, full and perfect form; free flowering; very fragrant.

DUKE OF EDINBURGH. Rich, brilliant vermillion; large and attractive.

FRAU KARL DRUSCHKI. Pure snow white; long pointed buds; large, full flowers.

GENERAL JACQUEMINOT. Brilliant scarlet crimson, very fragrant.

HUGH DICKSON. Intense crimson, shaded scarlet; finest of all crimson varieties.

JEANNIE DICKSON. Silvery rose; very free flowering.

LOUIS VAN HOUTTE. Deep crimson, shaded maroon.

MARGARET DICKSON. Pure white; fine form; very free grower.

MME. ALFRED CARRIERE. White, tinted pink and yellow at base of petals.

MME. GABRIEL LUIZET. Light silvery pink; very full and distinct.

MRS. JOHN LAING. Soft pink; well formed; one of the best.

MRS. R. G. SHARMAN-CRAWFORD. Clear rosy pink, shading to pale flesh.

PAUL NEYRON. Deep rose; immense size; hardy and vigorous.

ULRICH BRUNNER. Cherry red; very large and of fine form.

Austrian Brier Roses and the Pernetiana Hybrids

The original varieties of this type require little pruning, merely thinning out the shoots and leaving the remainder of the growths their full length, as these varieties flower on the lateral eyes of the previous year's growth. The newer Hybrids vary considerably in habit and type, and promise to produce an entirely distinct race of free growing and free flowering Roses which will be of unique beauty and usefulness in the garden.

Price: 60c. per plant, \$6.00 per doz., \$40.00 per 100.

AUSTRIAN COPPER. Bright reddish copper; single flowers; very striking and beautiful.

AUSTRIAN YELLOW. Very deep yellow; single; free and beautiful.

BEAUTE DE LYON. Superb coral red, slightly shaded with yellow.

HARRISONII. Golden yellow; semi-double; very pretty.

JULIET. Old gold on outside of petals, interior rich rosy red.

PERSIAN YELLOW. Deep golden yellow; very fine.

RAYON D'OR. Deep orange, smeared claret red, opening to Sunflower yellow.

SOLEIL D'OR. Orange yellow, changing to reddish gold and Nasturtium red.



FRAU KARL DRUSCHKI



Baby Rambler and Dwarf Polyantha Roses

These are delightful for massing in beds, or as edges for borders. They are most profuse and continuous bloomers and their small, neat flowers are produced in large clusters.

**Price: 60c. per plant, \$6.00 per doz.,
\$40.00 per 100.**

CECILE BRUNNER. Bright rose, shaded pale pink.

ERNA TESCHENDORFF. Deep crimson which does not fade; a valuable sport from Levavasseur.

GEORGE ELGAR. Golden coppery yellow, passing to clear yellow with age; the purest yellow in this class and a fine bedding Rose.

HERMOSA. Color and style of Old Blush; flowers fuller and produced on stiff, erect stems.

JESSIE. Glowing crimson; the finest red to grow.

JEANNE D'ARC. Pure white; large trusses of well-formed flowers.

MARIE PAVIE. White, with a rosy center; rather large for this type; one of the very finest of the Polyantha section in the neighborhood or seashore resorts.

MARIE KANNEN. Pure white; small double flowers in clusters.

MIGNONETTE. Soft rose, changing to white.

ORLEANS ROSE. Brilliant rosy red; immense trusses of bloom.

PHYLLIS. Bright carmine pink, of erect, branching growth; one of the freest and finest in this section.

RODHATTE. Clear, shining cherry red; semi-double; growth of Hybrid Tea.

TIP TOP. Yellow with edges of petals tipped and flushed crimson; wonderfully pretty variety.

YVONNE RABIER. Pure white; very free branching.



BABY RAMBLER



RUGOSA ALBA

Rugosa Roses

The Japanese Roses have become very popular during the past year or two and throughout the whole range of Single Roses there are none which can compare in form and size with the pink and white varieties of Rugosa. The broad, shining, dark green foliage and dense, spreading habit of growth make it a striking shrub even when not in bloom and the large seed pods are very bright and beautiful.

Price: 60c. per plant, \$6.00 per doz.

ATROPURPUREA. Blackish crimson, changing to maroon crimson as the flowers expand; very distinct.

BLANC DOUBLE DE COUBERT. Paper white; long pointed buds; semi-double; one of the finest.

CONRAD F. MEYER. Clear, silvery rose; very large and fragrant.

MADAME GEORGES BRUANT. White; semi-double; very free and distinct.

RUGOSA RUBRA. Deep rosy carmine; single petalage.

RUGOSA ALBA. Pure white, single, free, distinct and very beautiful.

Lord Penzance's Hybrid Sweet Brier Roses

The Sweet Brier, or Eglantine, is acknowledged by all to possess one of the sweetest perfumes in nature. These new Sweet Briers, raised by the Right Honorable Lord Penzance, possess this exquisite perfume, and, in addition, the flowers, which have a very diversified range of color, are produced in great profusion.

Price: 60c. per plant, \$6.00 per doz., \$40.00 per 100.

ANNE OF GIERSTEIN. Dark crimson; pretty clusters; large foliage.

CATHERINE SEYTON. Soft, rosy pink; free and perpetual bloomer.

EDITH BELLENDEN. Pale rose; shoots long and pendulous.

GREEN MANTLE. Bright pink, with white center.

JANET'S PRIDE. White, richly tipped and shaded with crimson.

LADY PENZANCE. Soft copper tint, with bright metallic luster, yellow at base of petals; very beautiful.

LORD PENZANCE. Soft shade of fawn, tinted yellow and pink.

LUCY ASHTON. Pretty pink flowers, with white centers.

LUCY BERTRAM. Bright, deep crimson, with white center.

ROSE BRADWARDINE. Beautiful, clear rose; very profuse bloomer.

Moss Roses

Their beautiful buds and delicious fragrance make these great favorites, and deservedly so; there is nothing more beautiful than a Moss Rose-bud. They require close pruning and plenty of manure.

BLANCHE MOREAU. Pure white; well mossed; good form.

CRESTED. Pale, rosy pink; well mossed.

GLOIRE DES MOSSES. Pale rose, shaded blush; very large and full

LANEII. Rosy crimson, tinted purple; very large and double.

OLD PINK. Pale rose; a splendid old Moss.

PERPETUAL WHITE. White, flowering in clusters; well mossed.

ZENOBI. Satin rose, soft and pretty; large and well mossed.

Single Roses

Price: 60c. per plant, \$6.00 per doz., except where otherwise noted.

ULSTER GEM. A single Rose of special charm and usefulness. Its large shell petals of deep primrose yellow and its prominent and abundant anthers opening to large flowers frequently 6 inches in diameter and of beautiful outline make a striking display and supply the most needed color in the bedding singles. The habit of the plant is excellent, growth free, vigorous and producing its flowers right throughout the season in endless profusion.

ULSTER STANDARD. A single Rose of great merit, free branching growth and dark green wood and foliage. The shoots which grow to a uniform height of about 2 feet, branching into large, loose, evenly disposed corymbs of intense deep crimson, which open to large, round, smooth flowers with prominent yellow anthers, making an ideal bedding single Rose in a much needed color. The blooms, which are about 3 inches in diameter, are of bright crimson which does not fade as the flower ages. \$1.00 each. \$9.00 per dozen.

IRISH FIREFLAME. As a novelty it is wonderfully striking. Bud is intense, fiery crimson at the base, shading to a rich orange salmon. For cutting it is beautiful and a novel departure in Roses.

IRISH ELEGANCE. Apricot, shaded copper bronze.



ULSTER GEM

Climbing Wichuraiana

Among the many types of Roses recently brought into prominence, none are more useful or beautiful than the Wichuraiana and its many delightful hybrids. The original variety of the type, Rosa Wichuraiana, is a single Rose of free growing, distinctly creeping habit, and this latter peculiarity has been more or less preserved in its progeny, which are peculiarly suitable for rockwork or creeping over banks of earth or tree stumps, as they adapt themselves to every unevenness of ground.

Price: 60c. per plant, \$6.00 per doz., \$40.00 per 100.

AMERICAN PILLAR. Single-flowered variety of great beauty; flowers 3 or 4 inches across borne in immense clusters. Brilliant shade of pink with clear white eye; wonderfully decorative even when not in flower as the blooms are followed with brilliant red berries and this variety retains its foliage much later than most varieties.

CLIMBING AMERICAN BEAUTY. Seedling from American Beauty with a mixture of Wichuraiana and Tea blood. Resembles American Beauty in

color, size of bloom and every other particular save that it has the Climbing habit. Proved itself entirely, stands heat and cold drought very well.

CLIMBING LADY ASHTOWN. This is a hybrid-tea variety and perhaps one of the best in the whole section of Climbing Teas; its merit is in the wonderful way it produces flowers throughout the whole season, being apparently almost equally good in the fall as in June when it first comes into bloom.

DR. W. VAN FLEET. Beautiful flesh-pink borne on long stems; buds long and pointed; plants very strong; brilliant dark glossy foliage; mildew-proof splendid for cutting.

DOROTHY PERKINS. Clear, bright pink; trailing growth; profuse bloomer.

EXCELSA. Very distinct variety, particularly vigorous with healthy dark glossy foliage; color of the flower intense crimson; individual flower very large and double for this type of Rose. Excelsa is grown today in place of the old Crimson Rambler, as it is practically mildew-proof and much deeper in color.

GARDENIA. Bright yellow, changing to creamy white.

GOLD FINCH. Claimed by some growers to be the best of the yellow Climbers. Very free and distinct.

HIAWATHA. Forms splendid long sprays of very large blooms; color of individual flower, brilliant ruby with a clear white eye. One of the best Climbers we offer.

LADY GAY. Lovely delicate shade of pink; blooms and clusters are larger than Dorothy Perkins and form a beautiful contrast when in flower with the unopened buds much deeper in color and the dark green foliage.

SILVER MOON. Pure white in color; with yellow stamens in the center, showing up a very attractive variety. Foliage bronzy-green; stems of flowers very long and fragrance very lasting.

SOURCE D'OR. Deep, golden yellow; very clear and distinct.

TAUSENDSCHOEN. Delightful shade of soft pink when first opening; produces in clusters of ten to twelve flowers; one of the very finest of the entire Climbing section.

WICHURIANA. Single white, with yellow anthers; fine for rockwork.

WHITE DOROTHY. Pure white sport of Dorothy Perkins.



Tall Large-Flowering Bearded Flag Irises

(Fleur-de-Lis)

"The flower of chivalry, with a sword for its leaf and a lily for its heart."—(Ruskin).

Of the four really great perennials, Irises, Peonies, Delphiniums and Phloxes the Iris takes first rank in diversity of interest with its one hundred and fifty odd species and varieties innumerable.

Myth, legend and history have always given it place as an emblem of power and hope. It is not generally known that "Consider the lilies" was spoken of the Iris abundant in very lovely forms in that dry Eastern Land, where the lily is rare. That country was the source from which Sir Michael Foster, of England, "the Burbank of the Iris," drew much material for the patient endeavor of a lifetime in securing beautiful crosses adapted to a less baking climate. To him the gardening world is indebted for the enrichment in color, form and fragrance of the bearded section particularly, which possesses more qualities of merit than any other out-door plant. It is hardy, as a dandelion, and happy in any good soil not stranger to the sun and good drainage. It increases rapidly and has great decorative value with its clean-cut foliage and huge spikes of bloom, in a wider range of color and color combinations than that of any other flower.

Long narrow beds in the grass are lovely. With the bearded sorts wonderful gardens may be made even on a hill, Iris gardens are growing more and more a feature of well planted grounds.

All varieties listed by us have been tested for garden worth. It is our purpose to offer not a long, distracting and indiscriminate list, but to give the cream of the standards and the worth-while novelties. Each had its special merit, which we have tried to indicate in the descriptions, but the opaline beauty of the Iris flower cannot be imprisoned in print.

Buy Irises; plant Irises; until you have a good collection and when the lure of May and June is upon your garden you will agree that you have never had so much "care free" beauty.

Difficult Slopes and Banks

If you have such places to cover and protect, write us for suggestions. The vineyardists of Southern Europe discovered years ago that there is no "wash" in a soil full of Iris roots.

Culture and Planting

Do not use manure. Lime the thoroughly prepared bed well and give an annual top-dressing of lime in the fall, with a top-dressing of bone meal in early Spring. Do not plant in deep shade. Open woodland paths, if well drained, make admirable locations for broad masses of Iris, a notable example being the Iris Path on Admiral Ward's beautiful place.

Plant three feet apart and wait for clumps to form; or one foot apart for more immediate effect. Barely cover the rhizomes. Planting may be done at any time the ground is open, but the ideal time is through the months of July, August and September. The new growth is then active and the root quickly establishes itself for blooming next season. Late plantings should be mulched with leaves or straw, not manure.

Prices. Vigorous single roots are furnished at the prices quoted. The quality of our roots cannot be surpassed. They are grown and dug under the personal supervision of a specialist, in charge of this department and one who has spent years in the cultivation and collection of this flower from all parts of the world.

In the description, S. is used to designate the standards or upright petals; F., the falls or drooping petals.



PALLIDA DALMATICA (See page 74)

TALL LARGE-FLOWERING BEARDED FLAG
IRISES—Continued

Some New Irises

AURORA (Pallida)—Foster

S. and F. pale lilac pink. A very tall plant much admired in our grounds the past season. 4 feet. \$1.00 each. Fall delivery.

EDOUARD MICHEL

(Pallida)—Verdier

Award of Merit, London. A large imposing flower. S. and F. much ruffled and saturated with deep claret red. Very scarce. \$1.75 each. Fall delivery.

ISOLINE (Squalens)

S. soft pink; F. deep old rose, yellow throated; very large and striking flower. Award of Merit, London. \$1.25 each.

JEANNE d'ARC

A. M. London, 1916. A wide open flower of great delicacy. S. and F. white, lightly fringed with pale lilac, while the entire petaloid stigmas are a fresh clear lilac. Good planted near Trautlieb. 30 inches. \$1.00 each. Fall delivery.

JUNIATA (Farr)—Pallida

A tall plant with fine slender foliage. S. and F. large, deep lavender blue. 4 feet. 50c. each.

LOHENGRIN (Pallida)

S. and F. in shades of *Cattleya*-mauve; petals translucent and very responsive to the strength or softness of the light. 30 inches. Award of Merit, London, 1915. \$1.00 each.

MONSIGNOR (Vilmorin)

S. pale violet. F., same overlaid and veined with rich purple, very floriferous and an altogether desirable variety. 30 inches. Fall delivery. \$1.00 each.

MRS. ALAN GRAY (Cengialti X Queen of May) Foster

S. and F. soft lilac; one of the most beautiful, unique in usually blooming again in late July and August. 2-2½ feet. \$1.00 each.

NIBELUNGEN

A. M. London, 1916. S. fawn; F. deep purple with a bold edge of fawn. Erect, vigorous and knightly. Should be planted near a soft blue like Rembrandt and a creamy yellow like *Flavescens*. 32 inches. Fall delivery. 75c. each.

ORIFLAMME (Vilmorin)

A. M. 1916. A very notable introduction, blooming in May. S. light blue; F. violet purple. An extremely large flower. \$2.00. Fall delivery

PEACOCK'S EYE

A. M., 1916, at Wisley Iris Trials. S. olive gold; F. bluish plum with gold border. Rather dwarf in growth and in mass a brilliant Iris. 20 inches. 75 c. each. Fall delivery

PERFECTION

Given at the Wisley Iris Trials in 1916. S. light blue splashed with violet; F. black violet. A very fine dark sort. 30 inches. 50c. each.

PROSPER LAUGIER (Verdier)

A. M. London, 1916. S. bronze red; F. velvety ruby, veined deeply at the base. 31 inches. The very best Iris of the Squalens class. Should be planted with yellows and creamy whites. 75 c. each. Fall delivery.

QUAKER LADY (Farr)

A flower of an unusual subtle charm. S. smoky lavender shaded with gold; F. amethyst blue with yellow shadings. Stigmas and beard yellow. To emphasize its charm of coloration, it should be planted with Aurea and Mrs. Neubronner. 75c. each. Fall delivery.

QUEEN ALEXANDRA (Barr)

A very beautiful mauve with a golden suffusion. Erect strong stems. 30 inches. 50c. each.

RHEIN NIXIE (Amoena)

S. clear white; F. rich raspberry purple, with distinct white edge. Tall, vigorous branched spikes; 3½ feet. Award of Merit, London, 1915. 50c. each.



IRIS CRISTATA (See page 74)

Price: 15c. each, \$1.50 per doz., except where otherwise noted.



MADAME CHEREAU

ALBICANS (Princess of Wales). S. and F. pure white; a rare old variety, large flower, early blooming. 2 feet. 35c. each, \$3.50 per doz.

AUREA. (Variegata). S. and F. soft clear yellow. A very beautiful variety. Try planting it back of the wild Columbine (Canadensis). 30 inches. 25c. each, \$2.50 per doz.

CAPRICE (Vilmorin). S. and F. claret shading to white at the center of the rather wide open flower. Very charming planted with Flavescens against a not too heavy tracery of green. 50c. each.

GERMANICA TYPE. (Common early Blue Flag). Violet purple, free-flowering and effective with yellow tulip, Mrs. Moon.

HER MAJESTY (Pallida). (New.) S. soft rose; F. deeper rose, heavily veined; large, handsome flower; 30 inches. 35c. each.

IDION. (Variegata). S. deep yellow; F. yellow, slightly reticulated cinnamon brown; very free. Good in mass planting with Othello and Dalmatica in the rear; 2 feet.

INGEBORG (Intermediate). (New.) Immense white flower, early blooming. Very vigorous, increases rapidly; 2 feet. 50c. each.

INNOCENZA (Variegata). S. and F. ivory white, slight reticulation at throat, late blooming and valuable; 26 inches. 35c. each, \$3.50 per doz.

IRIS KING (Squalens). (New.) S. old gold; F. rich maroon, bordered yellow; a beautiful and striking flower; 2 feet. 50c. each.

KOCHII (Germanica). S. and F. rich black-red purple; early flowering; 2 feet.

LA TENDRE (Squalens). S. pale lavender, flushed with yellow; F. yellow at base, shading into deep lavender, veined with purple; a delicately beautiful orris-scented flower; 30 inches.

MADAME CHEREAU (Plicata). S. and F. white, frilled clear blue; very lovely; 3 feet.

MRS. H. DARWIN (Amœna). S. pure white; F. slightly reticulated violet at base; beard orange; 2 feet.

MRS. NEUBRONNER (Variegata). S. and F. golden yellow, darker than Aurea; 2 feet. 35c. each, \$3.50 per doz.

MADAME PACQUITTE (Pallida). S. and F. bright, rosy claret; deliciously fragrant; 30 inches. 25c. each.

OTHELLO (Neglecta). S. rich blue; F. deep dark velvety violet 30 inches. Still unsurpassed among the dark sorts. 25c. each.

PALLIDA DALMATICA. S. and F. soft lavender; very fragrant; exquisite as a cut flower; superb in the hardy border; 3 to 4 feet. 25c. each, \$2.50 per doz.

PRES. THIERS. (Squalens). S. lavender shot with bronze; F. deep purple. Valuable for its late bloom and tall growth.

QUEEN OF MAY (Pallida). S. and F. soft lilac rose fragrant. One of the most charming of the "pink" Pallidas. 32 inches. 25c. each, \$2.50 per doz.

REMBRANDT. S. and F. shades of soft blue with almost no suggestion of purple. An excellent "blue" sort. 2 feet. 25c. each.

THORBECK (Amœna). S. White; F. deep black violet. A very effective Iris. 40 inches. 35c. each, \$3.50 per doz.

TRAUTLIEB (new). S. and F. lovely uniform soft rose shading to white in the center. An exquisite Iris and one of the very best grown. 50c. each, \$5.00 per doz.

WALHALLA (new) (intermediate). S. light blue lavender; F. velvety purple. Blooms in mid-May. 50 cents each.

Dwarf Irises

CRISTATA (Evansia). A dainty, creeping species; flowers rich amethyst blue, striped orange; increases rapidly. A little gem for borders, rockwork or low massing. It is happier in locations that are shaded a part of the day. Given these conditions and time to mass it, will delight all who try it. 15c. each, \$1.50 per doz.

PUMILA ATROVIOLOACEA. S. and F. purple. Slightly deeper in tone. 4 inches. The earliest to bloom. Especially good in front of white Arabis and Golden Spur daffodils. 15c. each, \$1.50 per doz.

PUMILA CÆRULEA. A lovely sky blue mite, blooming in April. 4 inches. 25c. each. \$2.50 per doz.

New Iris Kaempferi

We are introducing the following new sorts this year, they are very fine indeed.

50c. each, the 5 for \$2.00, \$4.00 per doz.

CAPRICE. Striped and mottled in an irregular way, and sometimes a solid lavender-blue.

BLUEWING. Deep indigo-blue shaded purple, freely striped and flaked white.

DELICE. Light delicate lavender, shaded lavender-pink, and conspicuous yellow marks. Very pretty. Double.

AMETHYST. Immense wide-spreading single flowers of fine substance. Color, light lavender or amethyst.

NIGHTFALL. Tall and imposing spike. Flowers single, of great size and a dark indigo-purple, almost black. The richest color in Iris.

Finest Double Iris Kaempferi

These new Iris from Japan rival the Lily in stateliness, the Pæony in majestic beauty, the Orchid in marvellous delicacy and blending of colors, the Chrysanthemum in profusion, and surpass almost every plant in size and kingly magnificence of flowers. A plant will send up to the height of three feet a dozen flower spikes, each spike bearing from two to four enormous blossoms eight to ten inches across and of the most delicate and beautiful colors, markings and combinations. Once planted in your garden they are a joy for a lifetime without further care, blooming profusely in June or July, during which time they are very attractive.

APOLLO. White, pink center.

DISTINCTION. Light lavender-pink, bright yellow blotches at base of petals. Distinct and fine.

GOLD BOUND. Tall and showy with flowers of enormous size; probably the most beautiful of all. Pure snow-white with large gold-banded center.

MOUNT HOOD. Light blue, shaded darker.

ORIOLE. Rich plum, marked yellow.

PYRAMID. Tall and showy, flowers very large; light violet-blue with slight white veins.

TEMPLETON. Violet-blue, mottled pink and white.

Above double sorts, \$20c. each, the 7 for \$1.15, \$1.75 per doz, \$12.00 per 100.



IRIS KAEMPFERI

GLADIOLI

Few plants are more popular or more generally satisfactory than the Gladioli. The number of varieties today is legion and it is impossible to catalogue everyone but the varieties submitted are very choice in their selected colors. We are sure they will give satisfaction to our customers. They can be planted any time during April or May in any good garden soil, 4 in. apart, in full sun if possible and good success is assured.

ATTRACTION. One of the most pleasing of the throated varieties. Deep rose with white throat. \$1.00 per doz., \$6.50 per 100.

BADENIA. No words can paint the beauty of this flower. A true lavender in color, not too blue; its flowers are large, well expanded, and many open upon the stem at one time. \$1.00 each, \$10.00 per doz.

BARON JOSEF HULOT. One of the finest blue Gladioli. A deep violet blue with well-opened flowers. 50c. per doz., \$3.00 per 100, \$25.00 per 1000.

BLUE JAY. A light grayish blue with darker blue markings and having a red stripe on tongue on the lower petals—a distinctive variety. \$5.00 per doz., \$40.00 per 100.

CRIMSON GLOW (Betscher). By far the most beautiful red gladiolus yet on the market. A perfect scarlet of a deep tone. Very large open flowers of the finest form and exceedingly well placed upon the spike. \$1.00 each, \$10.00 per doz.

DAWN (Tracy's). The most beautiful coral pink Gladiolus ever offered. A long graceful spike of magnificently formed flowers, all open at one time. The keeping qualities of this variety surpass anything grown at Cedar Acres, while its color and texture make it indispensable as a cut flower and for bedding. \$2.00 per doz., \$15.00 per 100.



DAWN



KUNDERDI GLORY

DAYBREAK. A charming light pink, with blazed white throat. Magnificent orchid-like variety; dwarf habit. \$3.00 per doz., \$25.00 per 100.

GLORY OF HOLLAND. A new white with slight tinting of pale pink and anthers of delicate lavender. Blossoms large and gracefully set on a tall spike. One of the finest whites. \$1.00 per doz., \$8.00 per 100.

GLORY OF NOORDWIJK. A new yellow, beautiful soft canary shade with flowers large and of graceful form. Several open at one time, producing a magnificent effect. \$2.00 each, \$20.00 per doz.

KUNDERDI GLORY. Cream pink with crimson stripe in center of each petal. Flowers slightly ruffled. Valuable for hybridizing, but color too muddy to be an attractive cut flower. 75c. per doz., \$6.00 per 100.

LIEBESFEUER. A solid self color, brilliant scarlet, many blooms open at one time on a tall erect spike. The finest red of this shade. \$3.00 per doz., \$22.50 per 100.



GLADIOLI—Continued

LILY LEHMAN. No white Gladiolus equals this variety. A lily in both name and form, of a pure glistening white, with just a tinting of pink on tips of petals. Matchless in form and coloring. \$1.00 per doz., \$7.50 per 100.

LOVELINESS. This variety produces flowers of distinction in daintiness and beauty as the name implies. Color, a clear cream-tinted sulfrano pink, very soft and delicate. The flowers are large and well placed on the spike, nearly all being open at one time. \$3.00 per doz., \$25.00 per 100.

MADAM BUTTERFLY. A beautiful yellow flecked with rose and having black markings. Grows to immense height. \$1.00 each, \$10.00 per doz.

MARY FENNEL. One of the patricians of the garden. Beautiful light lavender flowers on a tall slender spike, lower petals penciled with primrose yellow. \$2.00 per doz., \$15.00 per 100.

MRS. FRANK PENDLETON. A spectacular variety, producing large well-expanded flowers, light pink, heavily blotched with blood red in throat. \$1.00 per doz., \$7.50 per 100.

PRINCE OF INDIA. A dull old rose, suffused and streaked with purple with wide open flowers, many open at one time. A unique and attractive variety, well worth trying. 50c. each, \$5.00 per doz.



LILY LEHMAN

PRINCE OF WALES. A clear grenadine pink or deep buff, with throat markings of a deeper tone. The tips of petals shaded darker or apricot buff. A novelty of great value, eight or ten blooms open at one time on a long graceful spike. \$2.00 each, \$20.00 per dozen.

PRINCEPS (known as the thousand dollar Gladiolus). Amaryllis-like flowers of a rich dark scarlet, marked with white on the lower petals. Foliage of a beautiful dark green and very attractive. 50c. per doz., \$4.00 per 100, \$25.00 per 1000.

PRIMULINUS HYBRIDS. These hybrids, gained by crossing the species Primulinus with the larger varieties of the Gandavensis type, have retained all the daintiness and graceful form of their Primulinus parent, even to the "hood" formed by the drooping of the upper petal, and have an added beauty of exquisite coloring, from the softest primrose to a beautiful rose. 75c. per doz., \$5.00 per 100.

ROUGE TORCH. Large creamy-white flower with a rouge torch-like tongue on inferior petals, making a very striking contrast. \$5.00 per doz., \$40.00 per 100.

SCARSDALE. Long graceful spike of wide open flowers. A deep Jacinthe, shading to lavender iris with rose tintings. \$1.00 per doz., \$10.00 per 100.

SCHWABEN. This is the largest and strongest flowered yellow Gladiolus. A clear citron yellow with aster purple tongue on lower petals. Buds sulphury yellow. The name "Schwaben" was given to this variety because the airship "Schwaben" passed over Paris the day the certificate of merit was awarded to it. 50c. each, \$3.00 per doz., \$25.00 per 100.

SUNSET. A rich cream color, suffused with rose. Dark carmine, almost brown throat. Very unusual and strikingly beautiful. 50c. each, \$5.00 per doz.

VIOLET PERFECTION. A deep rich dahlia purple. A self color, very large open flowers with no markings. A magnificent novelty and the gem of its color section. \$1.00 each, \$10.00 per doz.



PRIMULINUS HYBRIDS



ACHILLEA PTARMICA, "THE PEARL"

General Collection of Hardy Perennials

The so-called Old-Fashioned Flowers, have come into their own. In place of the florid, formal beds of Geraniums and other stock that have to be renewed every spring, people today are planting gardens for permanent effect. Many of these flowers are "Old Fashioned," and associated in the public mind with Grandmother's garden, but today there are many, many kinds that Grandmother never knew and which add wonderfully to the effectiveness of this type of plant.

The following list covers the varieties in general use, though we will be glad to quote other varieties not listed, if asked to do so, and also make suggestions for planting should any customer wish us to do this for them.

Prices: 20c. per plant, \$2.00 per doz., \$15.00 per 100, except where noted.

Drabs

Anchusa. Alkanet

Dropmore Variety

Rich gentian blue; one of the earliest of the blue flowers. Plants form beautiful specimens, 3 to 4 feet high. One of the most exquisite blue flowers for the garden.

Anemone Japonica

Japanese Anemone

One of the most beautiful, hardy plants in existence; splendid for cutting.

ALBA. Large, snowy white; chaste and elegant; large, single flowers.

ALICE. Lovely, silvery rose, with shell like petals.

GEANTE DES BLANCHES. Silvery-white; extra large and vigorous.

MONTROSE. Double rose, very large and beautiful.

WHIRLWIND. Large semi-double, pure white flowers.

Achillea. Yarrow

PTARMICA Fl. Pl., "THE PEARL." Pure white, double flowers; one of the very finest things ever sent out; produces profusely the entire Summer. Splendid for cut flowers.



ANEMONE ALBA

GENERAL COLLECTION OF HARDY PERENNIALS—
*Continued***Agrostemma. Rose Champion**

WALKERII. Brilliant rose crimson; excellent for cutting.

Aquilegia. Columbine

CÆRULEA (Rocky Mountain Columbine). Blue, with white corolla.

CALIFORNICA HYBRIDS. Long spurred flowers; beautiful assortment of colors.

Hardy Asters, or Michaelmas Daisies

These lovely, Fall-flowering subjects, which are natives of North America and absolutely hardy in any section of the country, deserve very much more extensive culture. The following varieties are the cream of the most famous collection in Europe.

We will be pleased to give recommendations as to which are the best varieties to grow for particular purposes.

Varieties of the *Novæ-Angliæ* or the *Novi-Belgii* type furnish the finest varieties to grow for cutting in long sprays.

Price: 25c. per plant, \$2.50 per doz., \$15.00 per 100.

CLIMAX. Clear light-blue; flowers measure 2 inches across; one of the very best.

CORDIFOLIUS ALBUS. Pure white, tiny flowers, on long, graceful sprays.

EILEEN. Old rose color; medium-sized flowers, produced in great profusion on very graceful sprays; flowering end of August. Height 3 feet.

FLOSSIE. Pure white; in full flower by September 1st.

MARKET WHITE. Very largely grown for cut flowers in our European centers.



HARDY ASTERS

MOONSTONE. Grayish white, with a yellow center; large, flat flowers. One of the very best.

MRS. DAVIES EVANS. Beautiful heliotrope blue; flowering September 1st.

MRS. WALKERDINE. Pale blue; 3½ feet. Very valuable for cutting.

PEGGY BALLARD. One of the finest Asters recently introduced. Its rosy lilac flowers are quite double for many days, then they pass to semi-double, with golden anthers. The flowers are borne on fine, stiff stems 3 feet high. The variety received an Award of Merit at the R. H. S., London, for being the finest Aster ever shown.

RYECROFT PURPLE. Very strong grower; flowers 2 inches across; freely produced.

ST. EGWIN. Lovely shade of pure light pink; very popular and showy.

WM. BOWMAN. Rosy purple.

Campanula. Bell Flower

CARPATICA. Compact tufts; porcelain blue; dwarf habit. A wonderful thing for edging.

MEDIUM. Assorted colors; 3 feet.

Cephalaria. Roundheads

ALPINE. Tall growing plants; 5 to 6 feet; delicate, sulphur-yellow flowers. 25c. per plant, \$2.50 per doz.

Cerastium

TOMENTOSUM. Silvery, low-growing foliage plant which is used very largely for planting dry sunny spots.

ARVENSE. Close prostrate green foliage plant covered with masses of white flowers in early summer. Fine for banks and bedding.



CAMPANULA MEDIUM

Chrysanthemum Maximum

LEUCANTHEMUM PLENUM (Double Marguerite). Produces snow white flowers, resembling a double white Pyrethrum, on long stems throughout the month of June. If stems are cut back when it shows signs of seeding, it will flower again in August.

KING EDWARD VII. Pure white; very large and vigorous.

MRS. CHAS. LOWTHER BELL. The earliest of this type to flower and a splendid variety.

Coreopsis. Tickseed

LANCEOLATA GRANDIFLORA. Rich golden yellow. One of the finest flowers for cutting ever introduced to cultivation.

Dictamnus

Gas Plant, or Burning Bush

Name derived from the fact that on warm evenings the plant emits a fragrant oil, which ignites if a match is applied.

FRAXINELLA. Rosy pink flowers, with crimson veins.

Digitalis. Foxglove

GLOXINIÆFLORA (Gloxinia Flowered). Assorted strain of spotted varieties.

MONSTROSA. Very large flowers, in rose-purple and white.



GEUM, MRS. BRADSHAW



DIGITALIS

Dielytra. Bleeding Heart

SPECTABILIS. An old-fashioned favorite; long racemes of heart-shaped flowers, beautiful and effective; often used for forcing.

Eryngium. Sea Holly

This plant produces flowers in August and September, which may be cut and dried for Winter bouquets.

PLANUM. Handsome, blue variety.

Funkia. Plantain Lily

MEDIA PICTA VARIEGATA. Green and white variegated foliage; excellent for edging.

Galega. Goat's Rue

OFFICINALIS. Purplish blue, pea-shaped flowers; tall grower; must have plenty of room.

Geum. Avens

MRS. BRADSHAW. A new, large, double, scarlet variety, much better than any of this type previously introduced, blooming the greater part of the Summer and Fall. 25c. per plant, \$2.50 per doz.

COCCINEUM. Bright scarlet, single flowers.



HELIUM

Hypericum. St. Johns Wort

MOSERIANUM. Rich golden yellow flowers, with yellow stamens and crimson anthers; 2 feet high.

Lavendula

Old time Lavender of our Grandmother's garden; this is the plant from which the flowers are dried.

Liatris. Blazing Star

SCARIOSA. Purple-flowering subject; 4 feet high.

Lychnis

CHALCEDONICA. Most desirable variety; orange scarlet; 3 feet high.

CHALCEDONICA ALBA. Creamy white flowers.

CHALCEDONICA FI. PI. Double-flowering form; wonderfully brilliant in color; vermilion-scarlet flowers.

Lythrum. Rose Loosestrife

ROSEUM SUPERBUM. Rose color; robust habit; 4 to 5 feet.

Nepeta. Cat Mint

Makes a dense mat of foliage on the ground.

Gypsophila. Baby's Breath

PANICULATA FI. PI. Double form of *Paniculata*. Pure white; 3 feet high. Most useful flowers grown for Summer cutting. 25c. per plant, \$2.50 per doz.

PANICULATA. Blooms during July and August. makes a beautiful cluster of pure white flowers. Very largely used for cutting by florists.

Hemerocallis. Yellow Day Lily

AURANTIACA. Orange color, shaded bright yellow.

FLAVA. Best known variety; very fragrant; deep yellow.

Helenium. Helen Flower

AUTUMNALE SUPERBUM. Broad, spreading heads, deep, golden yellow flowers. One of the most striking flowers in cultivation.

AUTUMNALE RUBRUM. Similar to *Superbum* but has bright terra-cotta red flowers; makes a wonderful display during the month of September.

Hollyhock

No Old-Fashioned Garden is complete without Hollyhocks. Their stately spikes produce bold effects that cannot be obtained with any other flower. We offer the best assortment of Double and Single kinds.

Price: 30c. per plant, \$3.00 per doz.



HOLLYHOCK



FIELD OF PÆONIES

HERBACEOUS PÆONIES

The best known of this type of plant is, of course, the *Officinalis*. Cast-iron in their hardiness, blooming equally well, north, south, east and west, in this country no other flower is so adaptable and so satisfactory. A good, rich soil, open, sunny position, and plenty of water during their growth, is all they need. When planting, place the roots so that the crowns are barely covered with soil. So treated, Pæonies will go ahead and give entire satisfaction year after year.

Price: 75c. each, \$6.00 per doz., except where noted.

AUGUSTINE d'HOOR. Brilliant, deep red with lighter reverse of pale pink. A variety that will give the finest results. \$1.00 each, \$10.00 per doz.

COURONNE d'OR. Snow white, with bright red center and yellow stamens. A late Pæony that is remarkably attractive.

EUGENE VERDIER. Light rose, shading pearly white; strong grower; enormous early-flowering variety, very showy.

FELIX CROUSSE. Glowing red, with reddish flame center; very large and full. One of the best mid-season varieties.

FESTIVA MAXIMA. Pure white, flecked carmine; strong grower; early bloomer. One of the oldest varieties in cultivation today and a very dependable Pæony to grow.

LIVINGSTONE. Soft rose in color; imbricated blooms; late flowering and profuse in blooming; splendid in every way. \$1.00 each, \$10.00 per doz.

MARIE LEMOINE. White, with carmine edges on petals; exceptionally large and very profuse-flowering habit; growth strong and erect; medium height; very late.

MEISSONIER. Purplish red and crimson; often referred to as "The American Beauty" Pæony; very tall and free; midseason bloomer.

MME. BOULANGER. Glossy, soft pink, shaded lilac; large and compact, midseason type. \$1.00 each, \$10.00 per doz.

MME. CROUSSE. Ivory white, center petals edged crimson; large, full, well-formed flowers of medium height.

MME. LEONIE CALOT. Pale pink; very abundant bloomer; tall and fragrant; early flowering, and a splendid kind to grow.

MME. DUCEL. Very bright pink; medium size, but free flowering and lasting.

MODEL OF PERFECTION. Light violet rose, with bright rose center; dwarf grower and late; profuse-blooming type. \$1.00 each, \$10.00 per doz.



PÆONIES, FESTIVA MAXIMA



HARDY PHLOX

We catalogue a few of the very choicest varieties of this superb and satisfactory flower and can quote on other sorts if desired. Phlox can be planted 18 in. to 2 ft. apart and will repay any expenditure in the line of extra care and fertilizer. Phlox is sometimes attacked with mildew which is best treated by the use of Sulphide of Potassium in the proportion of one ounce to two gallons of water.

Price: 25c. per plant, \$2.50 per doz., \$20.00 per 100, except where noted.

AUBREY ALDER. One of the finest novelties in this flower for many years. The color immediately reminds one of the striking color of Madam Herriott Rose, being a reddish terra cotta, with flame shadings; very distinct eye in center of pure carmine. Certificated Royal Horticultural Society. \$1.00 per plant, \$10.00 per doz.

ARTHUR RANC. Brilliant salmon; individual pips of enormous size; splendid habit.

ALBION. Pure white, with a faint red eye; strong, vigorous grower.

ANTONIN MERCIÉ. White ground, with bluish lilac shadings on edge of petals.

CHAMPS ELYSEES. Rosy magenta; very pretty.

EMILY MICHAL. Deep, rosy mauve; enormous trusses.

EUGENE FAYEN. Lilac mauve with very prominent white eye.

EUGENE DANZENVILLIER. Lilac, shaded white.

ELIZABETH CAMPBELL. Light salmon, changing to pink; a new and splendid color.

FRAU ANT. BUCHNER. The finest pure white Phlox that has ever been raised. Flowers enormous in size and perfect in form.

GOLIATH. Very distinct and attractive; enormous trusses of bright carmine flowers with a deep red center.

GENERAL VON HEUTSE. Brilliant salmon scarlet, with a large, white center.

MME. PAUL DUTRIE. Lilac rose; flowers very large.

ROSE QUEEN. Carmine eye, with well formed trusses; pips measure 2 inches across; very erect and showy.

T. A. STROHLEIN. Scarlet-orange flowers, with a brilliant carmine eye.

WIDAR. Lovely violet shade, with white center.



SIM'S HYBRID GIANT YELLOW POLYANTHUS

PRIMULAS (Hardy Primroses)

SIM'S HYBRID GIANT YELLOW POLYANTHUS

These were the sensation of the cut flower market the past winter. They are a critical selection from the Giant English Cowslips. They are superb as pot plants if grown in a cold house and can be numbered as one of the most beautiful outdoor plants in early spring.

Price: 20c. per plant, \$2.00 per doz., \$15.00 per 100.



ENGLISH PRIMROSE SEEDLINGS

These varieties are absolutely indispensable for spring gardening and like the foregoing make beautiful pot plants for Easter when grown in a cold house. Perfectly hardy in most any situation.

Price: 20c. per plant, \$2.00 per doz., \$15.00 per 100.

Primula

GIANT POLYANTHUS. Primrose; a magnificent strain comprising many lovely colors and shades running from pale yellow, through orange-crimson, scarlet and red.

Polygonatum

(Solomon's Seal)

GIGANTEUM. Ornamental plant both in foliage and flower; bears sprays of creamy-white flowers in May and June; if planted in a shady place grows more satisfactorily.

Rudbeckia

GOLDEN GLOW. One of the best known hardy flowers, blooming from July until September.

NEWMANI. The Black-Eyed Susan, very well known and popular.



PRIMULA

Santolina. Lavender Cotton

INCANA. Silvery white foliage, used for rock border and very largely used for carpet bedding.

Sedum. Stonecrop

SPECTABILE. Most popular of all the Sedum, producing large, flat heads of rose-colored flowers; 2 feet high.

Stachys. Wound Wort

LANATA. Bright, silvery white, woolly foliage; flowers an inconspicuous light purple in color; largely used for edging or clumps in borders.



RUDBECKIA NEWMANI

Your 'Mum and other greenhouse plants arrived in good condition—thank's very much for the splendid stock you gave me.

G. E. C., Atlantic Highlands, N. J.

Sweet William. *Dianthus Barbatus*

Possibly one of the best known, free-flowering, hardy perennials; easily one of the most attractive flowers in the garden.

VARIEGATA. The flower of this variety is crimson with a white edge. A beautiful and most striking combination of colors.

DOUBLE MIXED. A selection of carefully raised seedlings in assorted colors; which are very choice.

Price: 15c. per plant, \$1.50 per doz.,
\$10.00 per 100.

Thalictrum. Meadow Rue

ADIANTFOLIUM. Beautiful variety, with foliage like Maidenhair Fern and miniature white flowers.

Valeriana. Valerian

OFFICINALIS. Very fragrant, rose-tinted flowers.

Veronica. Speedwell

AMETHYSTINA. Amethyst-blue flowers; spikes long and good.

LONGIFOLIA SUBSESSILIS. Long spikes; beautiful, blue flowers; plants 3 feet high.

SPICATA. Flowers in June and July; magnificent sprays of bright blue flowers, growing 1½ to 2 feet high.



SWEET WILLIAM (*Dianthus Barbatus*)

HELIOTROPE

Elizabeth Dennison

We have no hesitation in saying this variety is the finest Heliotrope ever seen. For years we have considered Centefleur as being the best variety. In Elizabeth Dennison, while the flower is about the same color as Centefleur, the individual trusses are considerably larger; in fact, much larger than any Heliotrope, and in addition this variety is wonderfully fragrant; this latter is one of its strongest points. This Heliotrope attracted considerable attention at the Panama-Pacific Exposition.

Elizabeth Dennison Heliotrope was awarded a Medal of honor at Panama-Pacific Horticultural Exposition.

Price: 20c. per plant, \$2.00 per doz.,
\$15.00 per 100

Heliotrope Centefleur

One of the finest Heliotropes ever raised; dwarf and bushy in habit, with beautiful foliage; sprays of bloom very large; color a lovely deep blue, with a conspicuous white eye.

Price: 10c. per plant, \$1.00 per doz.,
\$8.00 per 100.

Gardenia

The True Winter-flowering Type

We can supply this plant in any quantity. Spring delivery, 2½-in. plants, \$12.00 per 100; 3-in. plants, \$20.00 per 100; 4-in plants, \$30.00 per 100.



HELIOTROPE

PELARGONIUMS

"Easter Greeting"

This variety is a remarkable one inasmuch as it is practically a perpetual blooming sort. It is true that most of its flowers are produced in the spring but planted in good soil it will continue blooming throughout the whole summer. Flowers are of a large size, brilliant red with a black blotch on each petal.

Price: 25c. per plant, \$2.50 per doz.,
\$18.00 per 100.

Clorinda

Price: 10c. per plant, \$1.00 per doz.,
\$8.00 per 100.

This Pelargonium is grown very little and apparently is a stranger in our greenhouses. The color is a bright, rosy cerise and the flowers are very useful in the cut state. The deep green, healthy foliage has a most delightful fragrance when crushed in the hand. We have a good stock of this Pelargonium and we would suggest every gardener trying a few plants, as they can be grown in any position and in almost any location.



PELARGONIUM "Easter Greeting"

Ferns. For Fern Dishes

Assorted Ferns in all the best varieties: CYRTOMIUM FALCATUM, PTERIS MAYII, P. CRETICA, P. ALBOLINEATA, P. ADIANTOIDES, etc. 2¼-in. pot plants, \$1.00 per doz., \$6.00 per 100.



PETUNIAS

Fringed Double Petunias

The following varieties are highly recommended for bedding and we can supply them true to name and color and in any quantity.

Price: 15c. each, \$1.50 per doz., \$10.00 per 100.

- ADMIRATION. Reddish violet, var. white.
- BRIGHTNESS. Bright pink.
- DIADEM. Light pinkish purple.
- GERTRUDE. Soft pink, mottled white.
- MURILLO. Lavender, purple lined.
- MARIANA. Rosy purple.
- PINK BEAUTY. Delicate pink.
- PEERLESS. Shell pink.
- ROSY MORN. Similar to Edna.
- SPLENDOR. Mauve pink, mottled white.
- UNDINE. Reddish purple.
- VICTORIA. Pale pink.
- VIOLET SPRAY. Violet.
- WHITE DOROTHY. Pure white.

Salvia America

Price: 15c. per plant, \$1.50 per doz.,
\$10.00 per 100.

Differs from other types as it is a perpetual bloomer; it can be brought in to flower for Christmas, Easter or any other desired time. It is just as free blooming as any other variety and the color is a brilliant glowing scarlet, with very bright, green foliage, making a gorgeous contrast. The constitution is particularly rugged and healthy. As an outdoor bedding plant, it will be in great demand as it is such an attractive addition to every garden.

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CHARLES H. TOTTY COMPANY, Madison, N. J.

PLEASE DO NOT WRITE HERE

Name

Gardener _____

Street, P. O. Box or Rural Delivery

Post Office.....

Express (If Different from P. O.)

County..... **State**.....

AMOUNT ENCLOSED State whether P. O. Order
Express Money Order, Draft, \$ _____
Postage Stamps or Cash

[illegible]



TERMS OF SALE

ORDERS from unknown parties must be accompanied by cash or satisfactory references. We allow 3% discount when cash is enclosed with order; therefore it is to the customers' interest to remit full amount when ordering.

Accounts unpaid within sixty days are subject to sight draft without further notice.

Orders from customers in foreign countries must in all cases be accompanied by cash as we cannot assume the risk for Customs delays.

NO GUARANTEE: While we exercise great care to keep our stock clean and true to name, we give no warranty, express or implied on the same and if the customer does not accept the goods on these terms they are to be returned immediately.

PARCEL POST: Customers desiring goods sent by parcel-post must include an additional sum of 15c. per dozen plants, to prepay postage. We decline to accept responsibility for delivery of plants shipped by mail unless 10c. additional postage is included for a special delivery stamp to be affixed to the package. When this stamp is used, we guarantee quick delivery by mail.

EXPRESS: We will endeavor to get orders to customers with all possible dispatch but customers will please remember that owing to the exigencies of war the Express Companies are stamping on all receipts "Not responsible for delays;" and we must all be reasonable in this time of stress.

PLEASE NOTE: It is not unusual for us to receive orders without any signature or identification mark attached—so customers who do not get a response to their correspondence or orders within a reasonable time, please write again enclosing copy of letter or order so we may be able to trace same quickly.

Not less than three plants of one variety will be sold at the dozen rate; nor less than twenty-five at the hundred rate. We are sometimes asked to send one hundred plants in about thirty varieties at the hundred price. We will not send less than twenty-five of one variety at the hundred rate as it takes considerable time to select one hundred plants in twenty or thirty varieties and we must charge for the same accordingly.

CHARLES H. TOTTY COMPANY

CHARLES H. TOTTY
COMPANY

MALISON

